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The 1985 Helicopter Annual

January 1985 *3rd edition*

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Publishers
Charles W. Johnson
Frank L. Jensen, Jr.

Editor
Lisa M. Gills

Associate editor
Julie C. Grady

Contributors
Carl F. Brady, HAI Past President
Jerry Foster, KPNX-TV
Ted L. Olson, Jr., & T. J. Lynch
Helicopter Consulting Associates, Inc.
Leslie V. Sagar
Espey, Juston & Associates, Inc.
John F. Ward, NASA

Editorial advisory board
Robert G.H. Carroll III, Pratt & Whitney
Lou Davis, Air Transport World
Carl L. Harris, Bell Helicopter Textron
Bruce Jay, Boeing Vertol
Gothelm Kobusch, Fliegermagazin
William J. Marlin, Agusta Aviation

Advertising coordinator
Lisa M. Gills

Advertising assistant
Mary Jo Allen

ISSN 0739-5728

Design & production
Summit Design & Marketing, Inc.

Design
William H. Clark

Layout & art
Barbara McLaughlin

Photography
The airframe manufacturers
HAI archives
Mark Brunson

Darkroom
Mark Brunson

Typography
Terry Jones

Copy editing
Tim Ehlen

Printing
William Byrd Press, Inc.
Earl McKnight

Helicopter Association International

HAI Headquarters
1110 Vermont Avenue, N.W., Suite 430
Telephone 202-466-2420 Telex 89-615

New Address as of 9/85
1619 Duke Street
Alexandria, Virginia 22314

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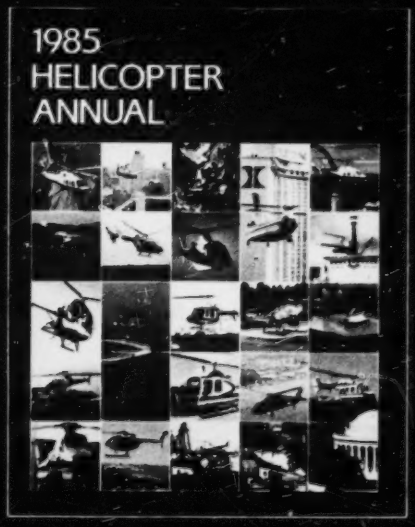

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Publisher's note

We are proud to present this third edition of The Helicopter Annual. As in previous issues, we have many to thank for its success.

To a staff, with many additional responsibilities, we are especially indebted. Their keen interest and expertise have added immeasurably to the scope and usefulness of The Helicopter Annual.

Our sincere thanks to the HAI members who contributed to the editorial content, and the manufacturers who supplied the technical data which makes the specifications sections of our annual the industry's most comprehensive buyers reference guide.

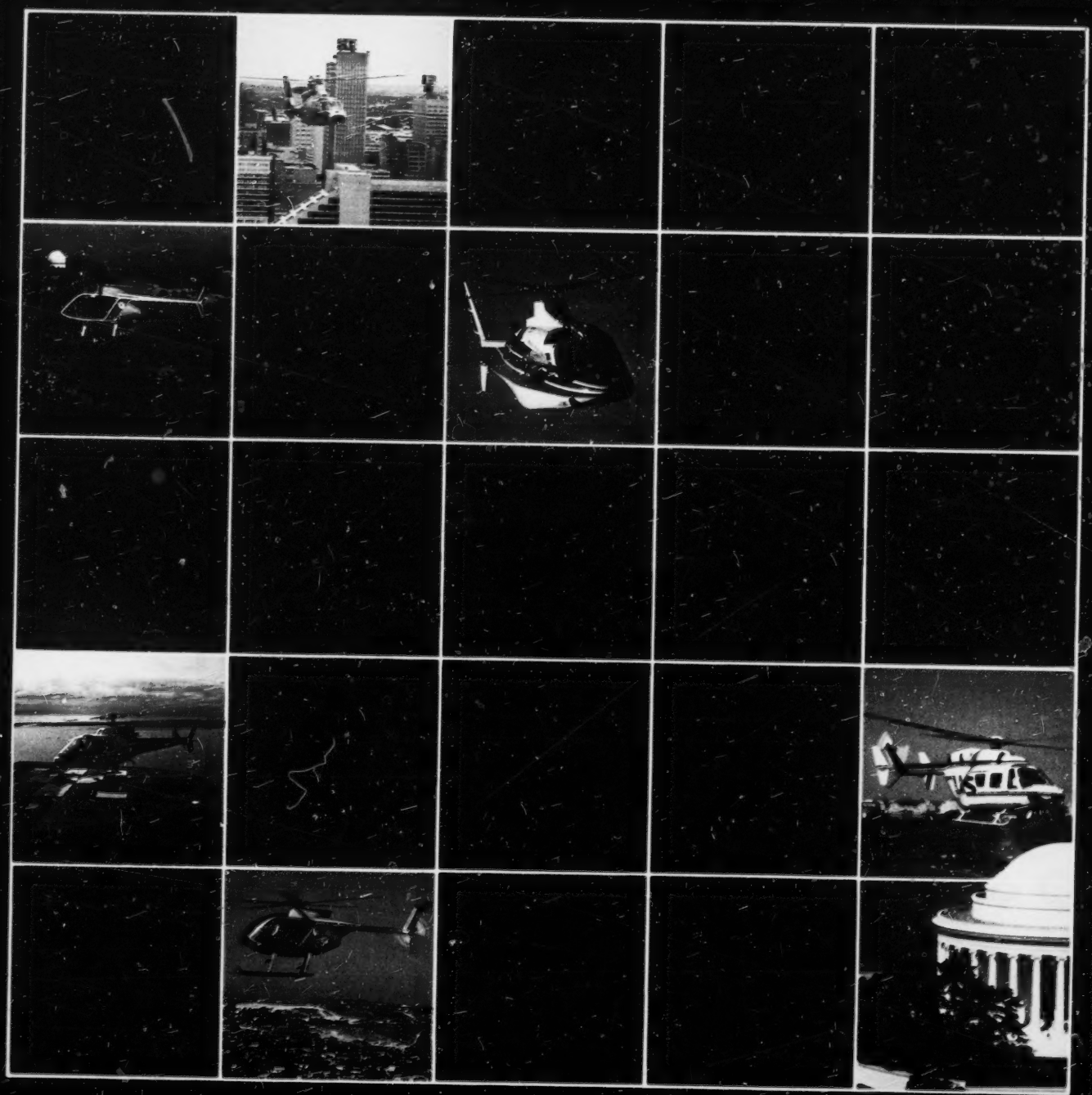
We also extend our gratitude to our advertisers, without which this 1985 Helicopter Annual would not have been possible.

We believe you will find this annual an indispensable reference tool in the months ahead, but if you find that needed information is lacking, please let us know.

Our continuing commitment is to make The Helicopter Annual the most comprehensive and useable publication of its kind ... the industry source.

Charles W. Johnson
Frank L. Jensen, Jr.

The civil helicopter



Significant data on every helicopter manufactured by HAI Associate Members in the past ten years.

Today's helicopter fleet offers a broad range of aircraft, uniquely able to perform a variety of missions.

This section lists the most significant data for every helicopter manufactured by HAI associate members in the past ten years.

All data are listed in both English and metric units of measure. In addition, such key data as maximum optional fuel capacity, engine horsepower, range with optional fuel and a listing of standard avionics provide a complete picture of each machine's capabilities.

This information is to be used solely as a guide. Helicopter capabilities will vary with flight conditions and installed options.

Data and operating limitations for specific missions are available from the manufacturer. A manufacturer's contact and phone number is listed for each model.

Prices shown are current as of November 1984 and are subject to change by the manufacturer.

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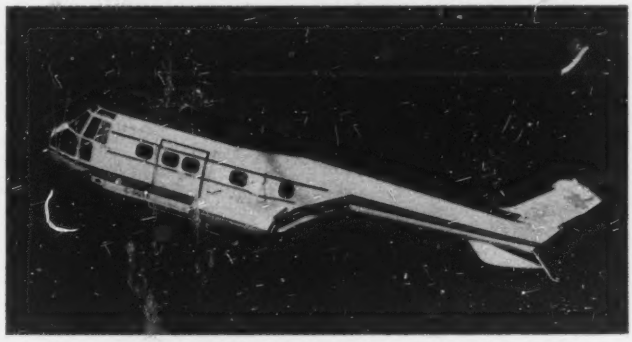
Manufacturer/Model Aerospatiale Lama
Total production (all variants) 370 **First flight** 1969
Comments Specifications shown are for SA315B Lama. This aircraft holds absolute altitude record for helicopters of any category: 40,820 ft/12,442 m by Jean Boulet in 1972.
Engine(s) (1) Artouste III B1 **HP (takeoff)** 590 shp
Dimensions main rotor 36.2 ft/11 m **Tail rotor** 6.3 ft1.9 m
Height 10.1 ft/3.1 m **Length** 42.3 ft/12.9 m **Width** 7.8 ft/2.4 m
Empty weight 2,266 lbs/1,028 kg **Gross weight** 4,300 lbs/1,950 kg
Useful load 2,034 lbs/922 kg **External** 2,646 lbs/1,200 kg
Vne 113 kts/209 kmh **Max cruise** 103 kts/192 kmh
Max rate of climb 1,083 fpm/330 mpm
HIGE 16,565 ft/5,050 m **HOGE** 15,100 ft/4,600 m
Service ceiling 17,720 ft/5,400 m **S/E service ceiling** N/A
Std fuel 152 gal/573 lit **Max fuel** N/A
Max range std fuel (no reserve) 278 nm/515 km
Range with opt fuel N/A
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $590,000
For more information contact Ron LaFleur, (214) 641-0000

Manufacturer/Model Aerospatiale Alouette 3
Total production (all variants) 1,405 **First flight** 1959
Comments Specifications shown are for SA316B Alouette 3.
Engine(s) (1) Artouste III B **HP (takeoff)** 562 shp
Dimensions main rotor 36.2 ft/11 m **Tail rotor** 6.3 ft/1.9 m
Height 9.8 ft/3 m **Length** 42.1 ft/12.8 m **Width** 8.5 ft/2.6 m
Empty weight 2,519 lbs/1,143 kg **Gross weight** 4,850 lbs/2,200 kg
Useful load 2,316 lbs/1,050 kg **External** 1,800 lbs/816 kg
Vne 113 kts/210 kmh **Max cruise** 100 kts/85 kmh
Max rate of climb 846 fpm/258 mpm
HIGE 9,350 ft/2,850 m **HOGE** 4,920 ft/1,500 m
Service ceiling 10,500 ft/3,200 m **S/E service ceiling** N/A
Std fuel 152 gal/573 lit **Max fuel** 344 gal/1,302 lit
Max range std fuel (no reserve) 267 nm/495 km
Range with opt fuel 604 nm/1,120 km
VFR Crew 1 **Passengers** 6
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Out of production.
For more information contact Ron LaFleur, (214)641-0000

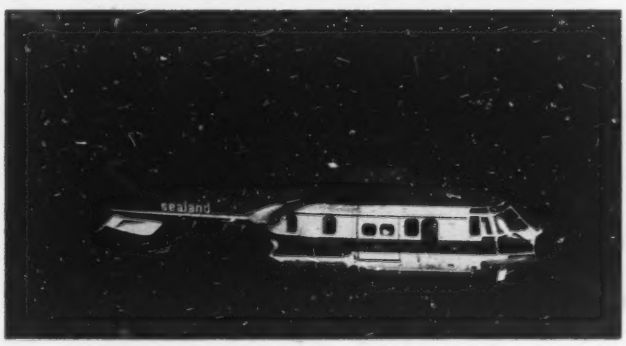
Manufacturer/Model Aerospatiale Alouette 2
Total production (all variants) 1,305 **First flight** 1955
Comments Specifications shown are for SA318C Alouette 2.
Engine(s) (1) Turbomeca Astazou IIA **HP (takeoff)** 523 shp
Dimensions main rotor 33.5 ft/10.2 m **Tail rotor** 6.3 ft/1.9 m
Height 9 ft/2.7 m **Length** 31.2 ft/9.5 m **Width** 7.8 ft/2.4 m
Empty weight 1,990 lbs/903 kg **Gross weight** 3,650 lbs/1,656 kg
Useful load 1,660 lbs/753 kg **External** 1,322 lbs/600 kg
Vne 110 kts/204 kmh **Max cruise** 97 kts/180 kmh
Max rate of climb 1,320 fpm/402 mpm
HIGE 5,160 ft/1,573 m **HOGE** 2,950 ft/899 m
Service ceiling 10,900 ft/3,322 m **S/E service ceiling** N/A
Std fuel 149 gal/564 lit **Max fuel** N/A
Max range std fuel (no reserve) 373 nm/692 km
Range with opt fuel N/A
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Out of production
For more information contact Ron LaFleur, (214) 641-0000

Manufacturer/Model Aerospatiale Super Frelon
Total production (all variants) 99 **First flight** 1962
Comments Specifications shown are for SA321JA Super Frelon.
Engine(s) (3) Turbomeca Turmo III C6 **HP (takeoff)** 1,515 shp ea.
Dimensions main rotor 62.0 ft/18.9 m **Tail rotor** 13.1 ft/4.0 m
Height 21.9 ft/6.7 m **Length** N/A **Width** 16.1 ft/4.9 m
Empty weight 15,245 lbs/6,915 kg **Gross weight** 28,660 lbs/13,000 kg
Useful load 13,415 lbs/6,085 kg **External** 11,000 lbs/5,000 kg
Vne 148 kts/275 kmh **Max cruise** 134 kts/248 kmh
Max rate of climb 1,300 fpm/396 mpm
HIGE 6,230 ft/1,900 m **HOGE** limited to 27,515 lbs/2,480 kg at sea level
Service ceiling 10,000 ft/3,050 m **S/E service ceiling** * 3,940 ft/1,200 m on 2 engines. *One engine out. Two engine service ceiling.
Std fuel 1,030 gal/3,900 lit **Max fuel** 1,822 gal/6,897 lit
Max range std fuel (no reserve) 432 nm/800 km @ 126 kts/232 kmh
Range with opt fuel 764 nm/1,416 km
VFR Crew 2 **Passengers** 27
Standard avionics SFIM autopilot
1984 base price ($ U.S.) Not established
For more information contact Ron LaFleur, (214) 641-0000

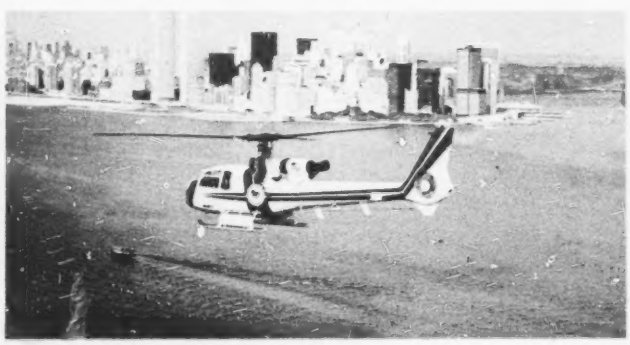
Manufacturer/Model Aerospatiale Puma
Total production (all variants) 692 **First flight** 1965
Comments Specifications shown are for SA330J Puma.
Engine(s) (2) Turbomeca Turmo IV C **HP (takeoff)** 1,494 shp ea.
Dimensions main rotor 49.5 ft/15.1 m **Tail rotor** 10.0 ft/3.0 m
Height 16.9 ft/5.1 m **Length** 59.8 ft/18.2 m **Width** 9.8 ft/3.0 m
Empty weight 8,358 lbs/3,792 kg **Gross weight** 16,315 lbs/7,400 kg
Useful load 7,957 lbs/3,608 kg **External** 7,055 lbs/3,200 kg
Vne 142 kts/263 kmh **Max cruise** 139 kts/258 kmh
Max rate of climb 1,200 fpm/366 mpm
HIGE 7,545 ft/2,300 m **HOGE** 5,580 ft/1,700 m
Service ceiling 15,750 ft/4,800 m **S/E service ceiling** 7,220 ft/2,200 m
Std fuel 408 gal/1,544 lit **Max fuel** 1,098 gal/4,156 lit
Max range std fuel (no reserve) 297 nm/550 km @ 134 kts/248 kmh
Range with opt fuel 799 nm/1,481 km
VFR Crew 2 **Passengers** 18
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Out of production
For more information contact Ron LaFleur, (214) 641-0000



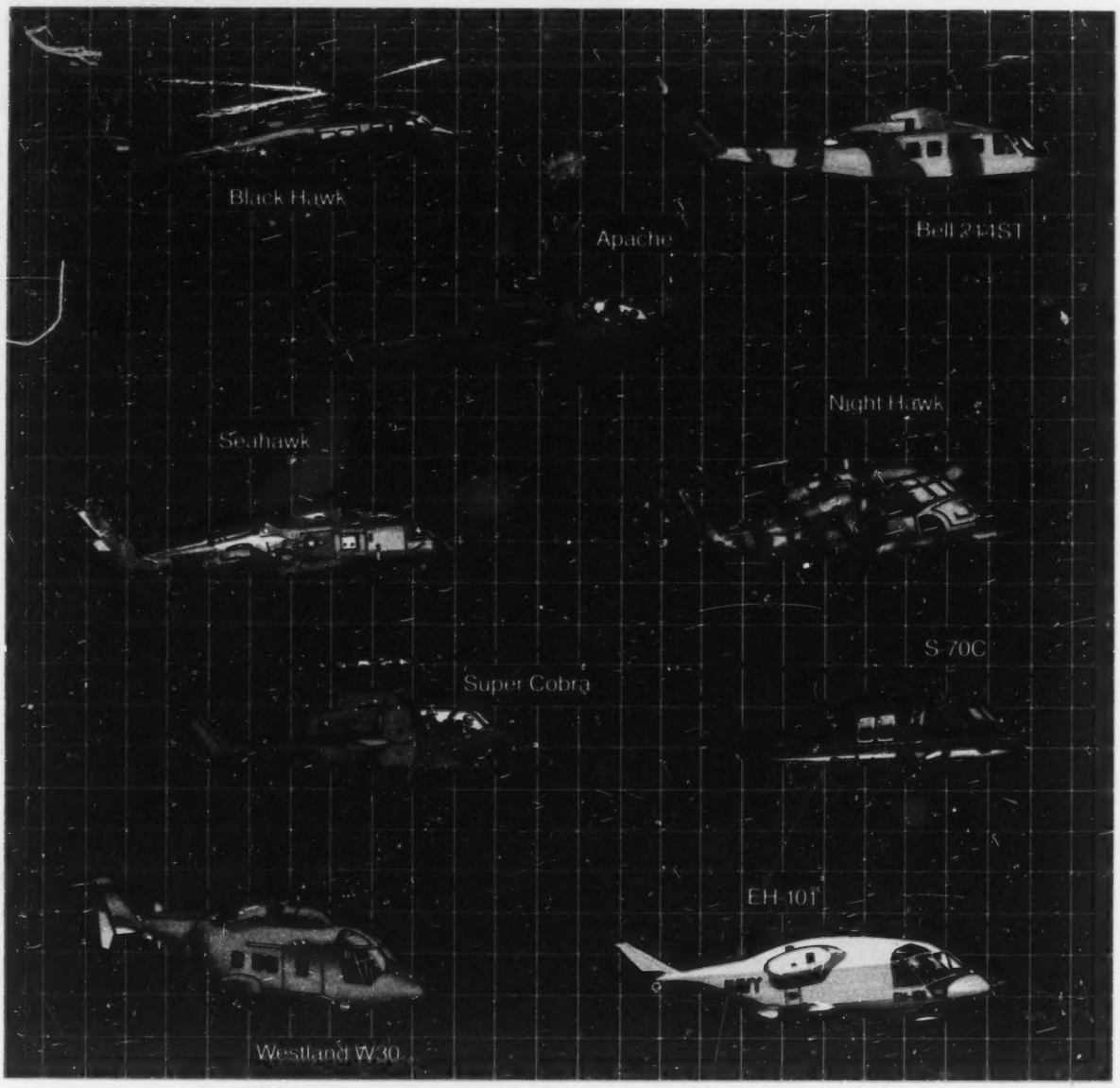
Manufacturer/Model Aerospatiale Super Puma
Total production (all variants) 109 ("C" & "L") **First flight** 1978
Comments Specifications shown are for AS332C Super Puma.
Engine(s) (2) Turbomeca Makila **HP (takeoff)** 1,661 shp ea.
Dimensions main rotor 51.2 ft/15.6 m **Tail rotor** 10.0 ft/3.1 m
Height 16.1 ft/4.9 m **Length** 61.4 ft/3.1 m **Width** 11.1 ft/3.4 m
Empty weight 9,260 lbs/4,200 kg **Gross weight** 18,410 lbs/8,350 kg
Useful load 9,150 lbs/4,150 kg **External** 9,920 lbs/4,500 kg
Vne 160 kts/296 kmh **Max cruise** 151 kts/279 kmh
Max rate of climb 1,732 fpm/528 mpm
HIGE 8,856 ft/2,700 m **HOGE** 6,888 ft/2,100 m
Service ceiling 15,088 ft/4,600 m **S/E service ceiling** 6,232 ft/1,900 m
Std fuel 406 gal/1,537 lit **Max fuel** 1,206 gal/4,565 lit
Max range std fuel (no reserve) 343 nm/635 km @ 140 kts/259 kmh
Range with opt fuel 1,019 nm/1,888 km
VFR Crew 2 **Passengers** 18
Standard avionics SFIM AP155P autopilot
1984 base price ($ U.S.) $3,880,000
For more information contact Ron LaFleur, (214) 641-0000



Manufacturer/Model Aerospatiale Super Puma
Total production (all variants) 109 ("C" & "L") **First flight** 1978
Comments Specifications shown are for AS332L Super Puma.
Engine(s) (2) Turbomeca Makila **HP (takeoff)** 1,661 shp ea.
Dimensions main rotor 51.2 ft/15.6 m **Tail rotor** 10.0 ft/3.1 m
Height 16.1 ft/4.9 m **Length** 61.4 ft/18.7 m **Width** 11.1 ft/3.4 m
Empty weight 9,535 lbs/4,325 kg **Gross weight** 18,410 lbs/8,350 kg
Useful load 8,875 lbs/4,025 kg **External** 9,920 lbs/4,500 kg
Vne 160 kts/296 kmh **Max cruise** 151 kts/279 kmh
Max rate of climb 1,732 fpm/528 mpm
HIGE 8,856 ft/2,700 m **HOGE** 6,888 ft/2,100 m
Service ceiling 15,088 ft/4,600 m **S/E service ceiling** 6,232 ft/1,900 m
Std fuel 544 gal/2,059 lit **Max fuel** 1,344 gal/5,088 lit
Max range std fuel (no reserve) 462 km/855 km @ 140 kts/259 kmh
Range with opt fuel 1,141 nm/2,115 km
VFR Crew 2 **Passengers** 22
Standard avionics SFIM AP155P autopilot
1984 base price ($ U.S.) $4,150,000
For more information contact Ron LaFleur, (214) 641-0000



Manufacturer/Model Aerospatiale Gazelle
Total production (all variants) 1,080 **First flight** 1967
Comments Specifications shown are for SA342J Gazelle.
Engine(s) (1) Turbomeca Astazou XIV H **HP (takeoff)** 592 shp
Dimensions main rotor 34.5 ft/10.5 m **Tail rotor** 2.3 ft/0.7 m
Height 10.5 ft/3.2 m **Length** 39.3 ft/12 m **Width** 6.6 ft/2 m
Empty weight 2,164 lbs/982 kg **Gross weight** 4,190 lbs/1,900 kg
Useful load 2,026 lbs/918 kg **External** 1,540 lbs/700 kg
Vne 167 kts/310 kmh **Max cruise** 142 kts/264 kmh
Max rate of climb 2,010 fpm/613 mpm
HIGE 11,970 ft/3,650 m **HOGE** 9,430 ft/2,875 m
Service ceiling 14,105 ft/4,300 m **S/E service ceiling** N/A
Std fuel 144 gal/545 lit **Max fuel** 197 gal/745 lit
Max range std fuel (no reserve) 407 nm/754 km @ 128 kts/238 kmh
Range with opt fuel 557 nm/1,032 km
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Not established.
For more information contact Ron LaFleur, (214) 641-0000



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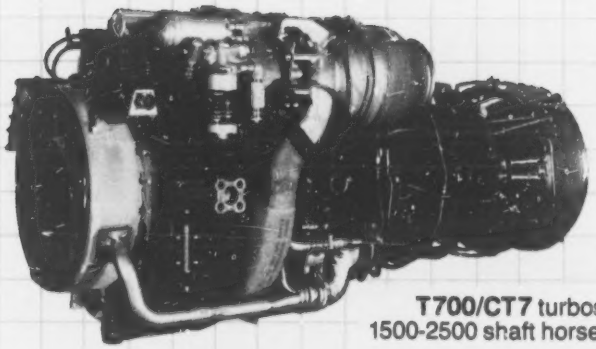

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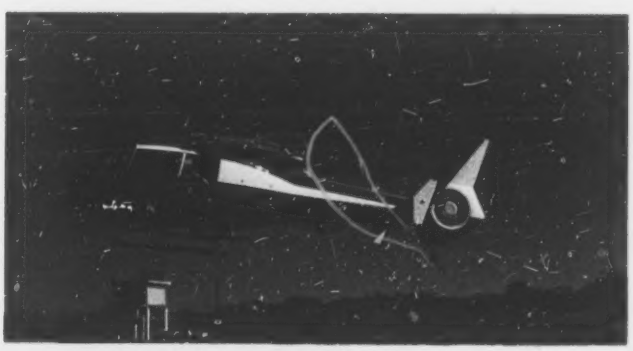
Greater aircraft availability, too. No scheduled engine removals or oil changes. Field maintenance actions that take 16 minutes or less with just a few standard tools. There's even a 30% fuel savings with the T700/CT7.

Good things to keep in mind when you're considering helicopters. Like the Bell 214ST and Super Cobra. EH Industries EH 101. Hughes Apache. Sikorsky Black Hawk, Seahawk, Night Hawk, S-70C. And Westland W30.

Manufacturer/Model Aerospatiale Ecureuil
Total production (all variants) 431 **First flight** 1976
Comments Specifications shown are for AS350B Ecureuil.
Engine(s) (1) Turbomeca Arriel 1B **HP (takeoff)** 641 shp
Dimensions main rotor 35.1 ft/10.7 m **Tail rotor** 6.1 ft/1.9 m
Height 10.3 ft/3.2 m **Length** 42.6 ft/13 m **Width** 6.9 ft/2.1 m
Empty weight 2,428 lbs/1,101 kg **Gross weight** 4,300 lbs/1,950 kg
Useful load 1,872 lbs/849 kg **External** 2,000 lbs/907 kg
Vne 147 kts/272 kmh **Max cruise** 125 kts/232 kmh
Max rate of climb 1,555 fpm/474 mpm
HIGE 9,675 ft/2,950 m **HOGE** 7,380 ft/2,250 m
Service ceiling 15,600 ft/4,750 m **S/E service ceiling** N/A
Std fuel 137 gal/520 lit **Max fuel** 263 gal/995 lit
Max range std fuel (no reserve) 378 nm/700 km @ 121 kts/224 kmh
Range with opt fuel 726 nm/1,345 km
VFR Crew 1 **Passengers** 6
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $398,000
For more information contact Ron LaFleur, (214) 641-0000

Manufacturer/Model Aerospatiale Ecureuil 2/TwinStar
Total production (all variants) 288 **First flight** 1979
Comments Specifications shown are for AS355F-1 Ecureuil 2/TwinStar
Engine(s) (2) G.M. Allison 250-C20F **HP (takeoff)** 420 shp ea.
Dimensions main rotor 35.1 ft/10.7 m **Tail rotor** 6.1 ft/1.9 m
Height 10.2 ft/3.1 m **Length** 42.6 ft/13 m **Width** 6.9 ft/2.1 m
Empty weight 2,900 lbs/1,315 kg **Gross weight** 5,291 lbs/2,400 kg
Useful load 2,391 lbs/1,085 kg **External** 2,300 lbs/1,043 kg
Vne 150 kts/278 kmh **Max cruise** 124 kts/230 kmh
Max rate of climb 1,496 fpm/456 mpm
HIGE 7,880 ft/2,400 m **HOGE** 6,400 ft/1,950 m
Service ceiling 13,120 ft/4,000 m **S/E service ceiling** 2,790 ft/850 m
Std fuel 193 gal/730 lit **Max fuel** 319 gal/1,205 lit
Max range std fuel (no reserve) 391 nm/725 km @ 120 kts/222 kmh
Range with opt fuel 646 nm/1,198 km
VFR Crew 1 **Passengers** 6
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $775,000
For more information contact Ron LaFleur, (214) 641-0000

Manufacturer/Model Aerospatiale AStar
Total production (all variants) 314 **First flight** 1976
Comments Specifications shown are for AS350D AStar.
Engine(s) (1) Avco Lycoming LTS 101-600A2 **HP (takeoff)** 615 shp
Dimensions main rotor 35.1 ft/10.7 m **Tail rotor** 6.1 ft/1.9 m
Height 10.3 ft/3.2 m **Length** 42.6 ft/13 m **Width** 6.9 ft/2.1 m
Empty weight 2,432 lbs/1,103 kg **Gross weight** 4,300 lbs/1,950 kg
Useful load 1,868 lbs/847 kg **External** 2,000 lbs/907 kg
Vne 147 kts/272 kmh **Max cruise** 125 kts/232 kmh
Max rate of climb 1,713 fpm/522 mpm
HIGE 8,858 ft/2,700 m **HOGE** 5,577 ft/1,700 m
Service ceiling 13,451 ft/4,100 m **S/E service ceiling** N/A
Std fuel 137 gal/520 lit **Max fuel** 263 gal/995 lit
Max range std fuel (no reserve) 405 nm/750 km @ 108 kts/200 kmh
Range with opt fuel 777 nm/1,441 km
VFR Crew 1 **Passengers** 6
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $398,000
For more information contact Ron LaFleur, (214) 641-0000

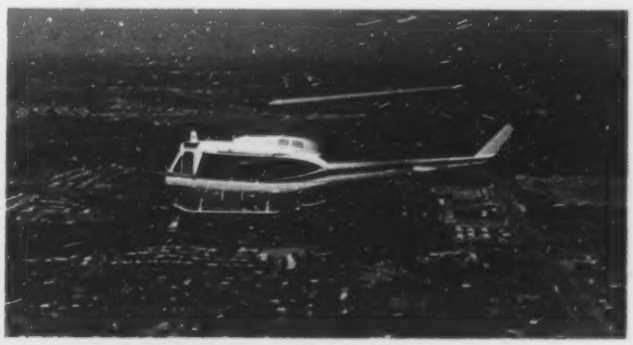


Manufacturer/Model Aerospatiale Dauphin
Total production (all variants) 33 **First flight** 1972
Comments Specifications shown are for SA360C Dauphin.
Engine(s) (1) Turbomeca Astazou XVIII A **HP (takeoff)** 872 shp
Dimensions main rotor 37.7 ft/11.5 m **Tail rotor** 3.0 ft/0.9 m
Height 11.5 ft/3.5 m **Length** 43.3 ft/13.2 m **Width** 7.4 ft/2.2 m
Empty weight 3,797 lbs/1,722 kg **Gross weight** 6,615 lbs/3,000 kg
Useful load 2,818 lbs/1,278 kg **External** 2,866 lbs/1,300 kg
Vne 170 kts/315 kmh **Max cruise** 146 kts/270 kmh
Max rate of climb 1,400 fpm/427 mpm
HIGE 8,035 ft/2,450 m **HOGE** 5,740 ft/1,750 m
Service ceiling 14,270 ft/4,350 m **S/E service ceiling** N/A
Std fuel 169 gal/640 lit **Max fuel** 351 gal/1,330 lit
Max range std fuel (no reserve) 353 nm/655 km @ 133 kts/247 kmh
Range with opt fuel 733 nm/1,359 km
VFR Crew 1 **Passengers** 13
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Out of production
For more information contact Ron LaFleur, (214) 641-0000

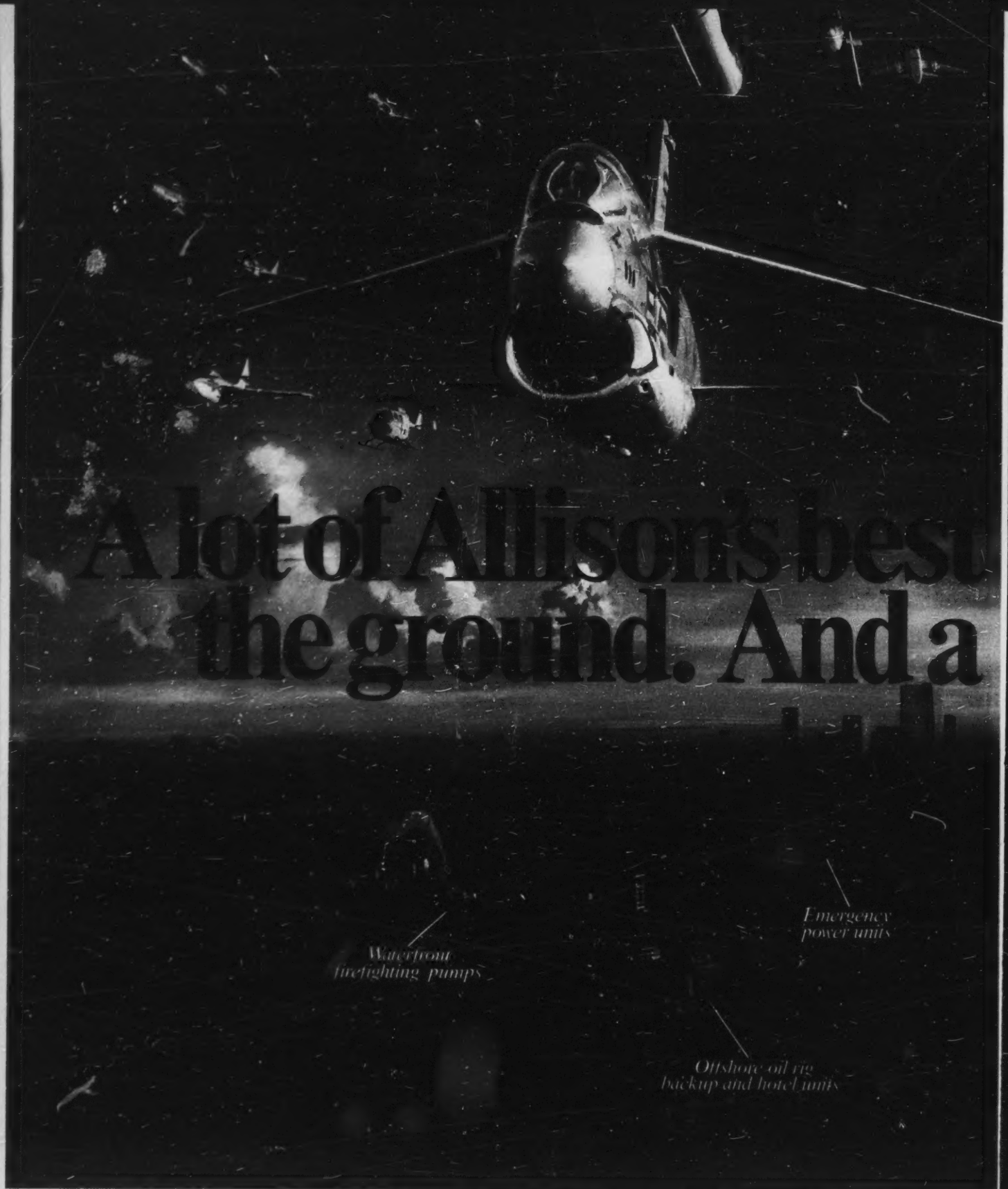
Manufacturer/Model Aerospatiale Dauphin 2
Total production (all variants) 187 **First flight** 1975
Comments Specifications shown are for SA365N Dauphin 2.
Engine(s) (2) Turbomeca Arriel 1C **HP (takeoff)** 660 shp ea.
Dimensions main rotor 39.1 ft/11.9 m **Tail rotor** 3.0 ft/0.9 m
Height 13.2 ft/4.0 m **Length** 44.2 ft/13.5 m **Width** 6.7 ft/2.0 m
Empty weight 4,700 lbs/2,132 kg **Gross weight** 8,818 lbs/4,000 kg
Useful load 4,118 lbs/1,868 kg **External** 3,527 lbs/1,600 kg
Vne 160 kts/297 kmh **Max cruise** 158 kts/292 kmh
Max rate of climb 1,536 fpm/468 mpm
HIGE 2,000 ft/600 m **HOGE** 2,000 ft/600 m
Service ceiling 15,000 ft/4,575 m **S/E service ceiling** 4,921 ft/1,500 m
Std fuel 302 gal/1,145 lit **Max fuel** 475 gal/1,800 lit
Max range std fuel (no reserve) 489 nm/905 km @ 140 kts/260 kmh
Range with opt fuel 769 nm/1,425 km
VFR Crew 1 **Passengers** 13
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $1,720,000
For more information contact Ron LaFleur, (214) 641-0000

Manufacturer/Model Agusta 109A II
Total production (all variants) 70 **First flight** 1971
Comments
Engine(s) (2) Detroit Allison 250 C20B **HP (takeoff)** 740 shp
Dimensions main rotor 36.1 ft/11 m **Tail rotor** 6.66 ft/2.03 m
Height 10.8 ft/3.29 m **Length** 35.1 ft/10.69 m **Width** 9.45 ft/2.88 m
Empty weight 3,258 lbs/1,699 kg **Gross weight** 5,730 lbs/2,599 kg
Useful load 2,472 lbs/1,120 kg **External** 2,000 lbs/907 kg
Vne 168 kts/311 kmh **Max cruise** 150 kts/278 kmh
Max rate of climb 1,650 fpm/503 mpm
HIGE 7,900 ft/2,408 m **HOGE** 4,900 ft/1,494 m
Service ceiling 15,000 ft/4,572 m **S/E service ceiling** 5,500 ft/1,676 m
Std fuel 146 gal/533 lit **Max fuel** 186 gal/704 lit
Max range std fuel (no reserve) 365 nm/676 km
Range with opt fuel 465 nm/861 km
VFR Crew 1 **Passengers** 7
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $955,500
For more information contact F.V.Martin (215) 245-8860

Manufacturer/Model Agusta 109A
Total production (all variants) 155 **First flight** 1971
Comments The production of the 109A was superseded by the Agusta 109A II in 1982.
Engine(s) (2) Detroit Allison 250 C20B **HP (takeoff)** 695 shp
Dimensions main rotor 36.1 ft/11 m **Tail rotor** 6.66 ft/2.03 m
Height 10.6 ft/3.29 m **Length** 35.1 ft/10.69 m **Width** 9.54 ft/2.88 m
Empty weight 3,750 lbs/1,701 kg **Gross weight** 5,730 lbs/2,599 kg
Useful load 1,980 lbs/898 kg **External** 2,000 lbs/907 kg
Vne 168 kts/311 kmh **Max cruise** 150 kts/278 kmh
Max rate of climb 1,430 fpm/436 mpm
HIGE 8,000 ft/2,430 m **HOGE** N/A
Service ceiling 15,000 ft/4,572 m **S/E service ceiling** 5,000 ft/1,524 m
Std fuel 146 gal/552.6 lit **Max fuel** N/A
Max range std fuel (no reserve) 365 nm/676 km
Range with opt fuel N/A
VFR Crew 1 **Passengers** 7
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.)N/A
For more information contact F.V. Martin (215) 245-8860



Manufacturer/Model Bell Helicopter Textron 205A-1
Total production (all variants) 350 + **First flight** 1967
Comments Currently not in production. External load gross weight = 10,500 lbs (4,762 kg).
Engine(s) (1) Lycoming T5313 B **HP (takeoff)** 1,400 shp
Dimensions main rotor 48 ft/14.6 m **Tail rotor** 8.5 ft/2.59 m
Height 14.4 ft/4.38 m **Length** 57.08 ft/17.4 m **Width** 9.3 ft/2.83 m
Empty weight 5,323 lbs/2,414 kg **Gross weight** 9,500 lbs/4,309 kg
Useful load 4,177 lbs/1,894 kg **External** 5,000 lbs/2,268 kg
Vne 110 kts/204 kmh **Max cruise** 110 kts/204 kmh
Max rate of climb 1,700 fpm/518 mpm
HIGE 10,400 ft/3,170 m **HOGE** 6,000 ft/1,827 m
Service ceiling 12,400 ft/3,776 m **S/E service ceiling** N/A
Std fuel 215 gal/814 lit **Max fuel** 395 gal/1,495 lit
Max range std fuel (no reserve) 313 nm/580 km @ 5,000 ft (1,523 m)
Range with opt fuel 592 nm/1,095 km @ 5,000 ft (1,523 m)
VFR Crew 1 **Passengers** 14
Standard avionics One VHF comm, ICS panel
1984 base price ($ U.S.) N/A
For more information contact Jim Hamilton (817) 280-8200



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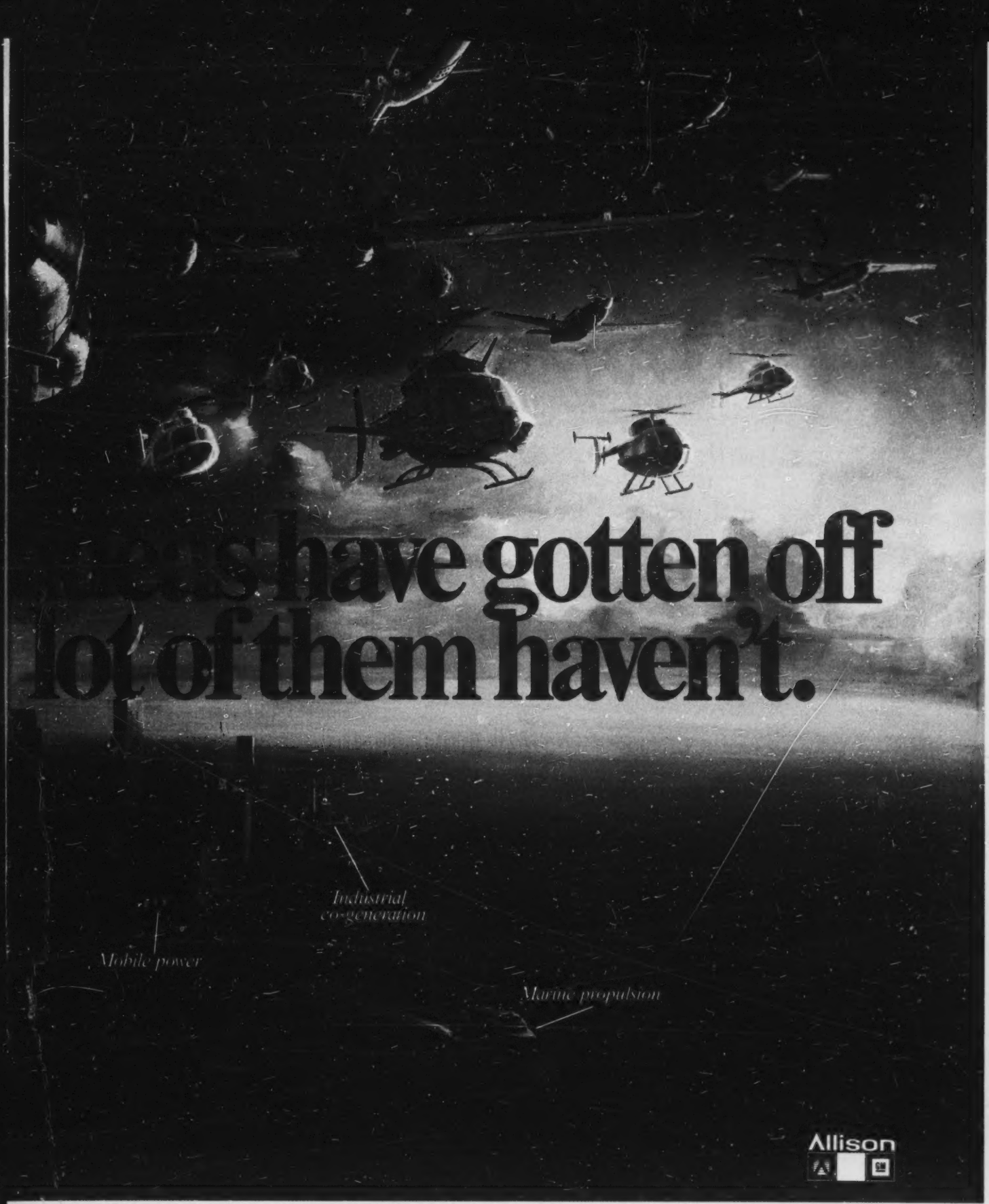
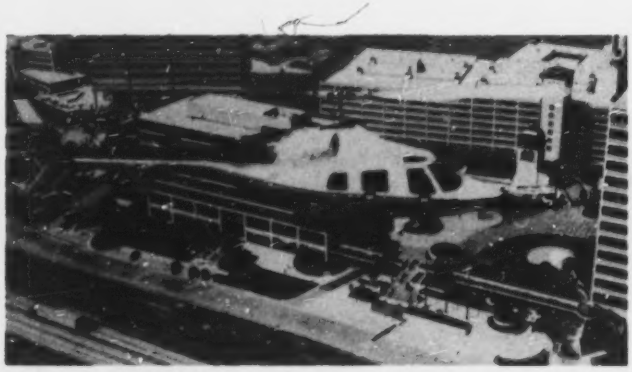


turbines for industry the world over. Turbines that provide everything from electric generation to fire-fighting. Wherever high performance power is needed, Allison comes through. With flying colors.

Manufacturer/Model Bell Helicopter Textron 222
Total production (all variants) 100 + **First flight** 1976
Comments No longer in production. Nine passenger configuration available. Power-limited HIGE—8,000 ft (2,436 m) external load gross weight is 8,100 lbs (3,673 kg). Single, dual pilot IFR options available.
Engine(s) (2) Lycoming LTS101-650C-3 **HP (takeoff)** 620 shp ea.
Dimensions main rotor 39.75 ft/12.1 m **Tail rotor** 6.5 ft/1.98 m
Height 11.25 ft/3.4 m **Length** 47.5 ft/14.5 m **Width** 11.3 ft/3.44 m
Empty weight 4,889 lbs/2,217 kg **Gross weight** 7,850 lbs/3,560 kg
Useful load 2,961 lbs/1,343 kg **External** 2,500 lbs/761 kg
Vne 150 kts/278 kmh **Max cruise** 148 kts/274 kmh
Max rate of climb 1,580 fpm/481 mpm
HIGE 4,200 ft/1,279 m **HOGE** 4,600 ft/1,401 m
Service ceiling 12,800 ft/3,898 m **S/E service ceiling** 5,200 ft/1,583 m
Std fuel 187.5 gal/710 lit **Max fuel** 300.5 gal/1,137 lit
Max range std fuel (no reserve) 350 nm/648 km @ 4,000 ft (1,218 m)
Range with opt fuel 586 nm/1,086 km @ 4,000 ft (1,218 m)
VFR Crew 1 **Passengers** 7
Standard avionics One VHF comm, ICS panel
1984 base price ($ U.S.) N/A
For more information contact Jim Hamilton (817) 280-8200



Manufacturer/Model Bell Helicopter Textron 222B
Total production (all variants) 100 + **First flight** 1982
Comments Nine passenger configuration available. Power-limited HIGE = 10,400 ft (3,167 m). Wheel gear, external load gross weight is 8,400 lbs (3,810 kg). Single-pilot IFR certification w/out augmentation.
Engine(s) (2) Lycoming LTS101-750C-1 **HP (takeoff)** 684 shp ea.
Dimensions main rotor 42 ft/12.8 m **Tail rotor** 6.88 ft/2.1 m
Height 11.25 ft/3.43 m **Length** 50 ft/15.2 m **Width** 10.25 ft/3.12 m
Empty weight 4,900 lbs/2,222 kg **Gross weight** 8,250 lbs/3,742 kg
Useful load 3,350 lbs/1,519 kg **External** 2,800 lbs/1,270 kg
Vne 150 kts/278 kmh **Max cruise** 149 kts/276 kmh
Max rate of climb 1,460 fpm/445 mpm
HIGE 7,100 ft/2,162 m **HOGE** 6,400 ft/1,951 m
Service ceiling 15,800 ft/4,811 m **S/E service ceiling** 7,500 ft/2,284 m
Std fuel 187.5 gal/710 lit **Max fuel** 300.5 gal/1,175 lit
Max range std fuel (no reserve) 324 nm/600 km @ 4,000 ft (1,218 m)
Range with opt fuel 532 nm/985 km @ 4,000 ft (1,218 m)
VFR Crew 1 **Passengers** 9
Standard avionics One VHF comm, ICS panel
1984 base price ($ U.S.) $1,395,000
For more information contact Jim Hamilton (817) 280-8200

Manufacturer/Model Bell Helicopter Textron JetRanger-III 206B-III
Total production (all variants) 3700 + **First flight** 1977
Comments Vne is 130 kts @ 3,000 lbs and below. External load gross weight is 3,350 lbs.
Engine(s) (1) Allison 250-C20J **HP (takeoff)** 420 shp
Dimensions main rotor 33.33 ft/10.16 m **Tail rotor** 5.42 ft/1.65 m
Height 9.54 ft/2.91 m **Length** 38.79 ft/11.82 m **Width** 6.4 ft/1.95 m
Empty weight 1,635 lbs/742 kg **Gross weight** 3,200 lbs/1,451 kg
Useful load 1,565 lbs/710 kg **External** 1,500 lbs/680 kg
Vne 122 kts/226 kmh **Max cruise** 118 kts/218 kmh
Max rate of climb 1,280 fpm/390 mpm
HIGE 12,800 ft/3,900 m **HOGE** 8,800 ft/2,680 m
Service ceiling 13,500 ft/4,115 m **S/E service ceiling** N/A
Std fuel 91 gal/344 lit **Max fuel** 91 gal/344 lit
Max range std fuel (no reserve) 398 nm/747 km @ 5,000 ft (1,523 m)
Range with opt fuel N/A
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $375,000
For more information contact Jim Hamilton (817) 280-8200

Manufacturer/Model Bell Helicopter Textron LongRanger II 206L-1
Total production (all variants) 700 + **First flight** 1977
Comments No longer in production. External load gross weight is 4,250 lbs (1,927 kg). Single-pilot IFR option available.
Engine(s) (1) Allison 250-C28B **HP (takeoff)** 500 shp
Dimensions main rotor 37 ft/11.3 m **Tail rotor** 5.42 ft/1.65 m
Height 10.3 ft/3.1 m **Length** 42.7 ft/13.0 m **Width** 7.7 ft/2.34 m
Empty weight 2,200 lbs/998 kg **Gross weight** 4,150 lbs/1 882 kg
Useful load 1,950 lbs/884 kg **External** 2,000 lbs/907 kg
Vne 130 kts/241 kmh **Max cruise** 117 kts/215 kmh
Max rate of climb 1,340 fpm/408 mpm
HIGE 12,300 ft/3,745 m **HOGE** 5,300 ft/1,614 m
Service ceiling 19,000 ft/5,786 m **S/E service ceiling** N/A
Std fuel 98 gal/371 lit **Max fuel** 98 gal/371 lit
Max range std fuel (no reserve) 333 nm/616 km @ 5,000 ft (1,523 m)
Range with opt fuel N/A
VFR Crew 1 **Passengers** 6
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) N/A
For more information contact Jim Hamilton (817) 280-8200

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Manufacturer/Model Bell Helicopter Textron 222UT
Total production (all variants) 100 + **First flight** 1983
Comments Ten-place configuration available. Power-limited HIGE = 10,400 ft (3,167 m). Skid gear. External load gross weight is 8,400 lbs (3,810 kg). Single-pilot IFR certification without augmentation.
Engine(s) (2) Lycoming LTS 101-750C-1 **HP (takeoff)** 684 shp ea.
Dimensions main rotor 42 ft/12.80 m **Tail rotor** 6.88 ft/2.1 m
Height 10.42 ft/3.06 m **Length** 50 ft/15.2 m **Width** 10.25 ft/3.12 m
Empty weight 4,874 lbs/2,210 kg **Gross weight** 8,250 lbs/3,742 kg
Useful load 3,376 lbs/1,531 kg **External** 2,800 lbs/1,270 kg
Vne 150 kts/278 kmh **Max cruise** 143 kts/265 kmh
Max rate of climb 1,460 fpm/445 mpm
HIGE 7,100 ft/2,164 m **HOGE** 6,400 ft/1,951 m
Service ceiling 15,800 ft/4,811 m **S/E service ceiling** 7,500 ft/2,284 m
Std fuel 246 gal/931 lit **Max fuel** 359 gal/1,359 lit
Max range std fuel (no reserve) 412 nm/763 km @ 4,000 ft (1,218 m)
Range with opt fuel 609 nm/1,128 km @ 4,000 ft (1,218 m)
VFR Crew 1 **Passengers** 8
Standard avionics One VHF comm plus ICS panel
1984 base price ($ U.S.) $1,075,000
For more information contact Jim Hamilton (817) 280-8200

Manufacturer/Model Bell Helicopter Textron LongRanger-III 206L-III
Total production (all variants) 700 + **First flight** 1981
Comments External load gross weight is 4,250 lbs. Single-pilot IFR option available. 456 shp trans. rating optionally available.
Engine(s) (1) Allison 250-C30P **HP (takeoff)** 650 shp
Dimensions main rotor 37 ft/11.3 m **Tail rotor** 5.42 ft/1.65 m
Height 10.25 ft/3.1 m **Length** 42.7 ft/10.3 m **Width** 7.7 ft/2.34 m
Empty weight 2,200 lbs/998 kg **Gross weight** 4,150 lbs/1,882 kg
Useful load 1,950 lbs/884 kg **External** 2,000 lbs/907 kg
Vne 130 kts/241 kmh **Max cruise** 116 kts/215 kmh
Max rate of climb 1,340 fpm/408 mpm
HIGE 16,500 ft/5,024 m **HOGE** 5,400 ft/1,644 m
Service ceiling 20,000 ft/6,090 m **S/E service ceiling** N/A
Std fuel 110 gals/416 lit **Max fuel** 110 gals/416 lit
Max range std fuel (no reserve) 354 nm/655 km @ 5,000 ft (1,523 m)
Range with opt fuel N/A
VFR Crew 1 **Passengers** 6
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $550,000
For more information contact Jim Hamilton (817) 280-8200

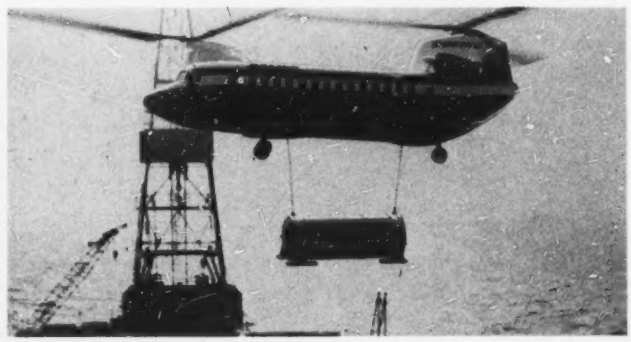
Manufacturer/Model Bell Helicopter Textron 412
Total production (all variants) 100 + **First flight** 1979
Comments Power-limited HIGE. AFCS standard/two-pilot IFR option available. Four seating types available.
Engine(s) (2) P&W PT6T-3B **HP (takeoff)** 900 shp
Dimensions main rotor 46 ft/14.02 m **Tail rotor** 8.5 ft/2.59 m
Height 15.1 ft/4.6 m **Length** 56 ft/17.05 m **Width** 9.3 ft/2.83 m
Empty weight 6,470 lbs/2,934 kg **Gross weight** 11,900 lbs/5,397 kg
Useful load 5,430 lbs/2,463 kg **External** 11,900 lbs/5,397 kg
Vne 140 kts/259 kmh **Max cruise** 124 kts/230 kmh
Max rate of climb 1,440 fpm/438 mpm
HIGE 1,400 ft/427 m **HOGE** N/A
Service ceiling 17,000 ft/5,177 m **S/E service ceiling** 7,600 ft/2,314 m
Std fuel 330 gal/1,250 liters **Max fuel** 494 gal/1,870 liters
Max range std fuel (no reserve) 402 nm/744 km @ 5,000 ft (1,528 m)
Range with opt fuel 600 nm/1,111 km @ 5,000 ft (1,528 m)
VFR Crew 1 **Passengers** 14
Standard avionics One VHF comm, ICS panel
1984 base price ($ U.S.) Quoted on request
For more information contact Jim Hamilton (817) 280-8200

Manufacturer/Model Bell Helicopter Textron 212
Total production (all variants) 700 + **First flight** 1970
Comments Vne increases up to 130 kts (241 kmh) as gross weight decreases. Optional IFR available.
Engine(s) (2) P&W PT6T-3B **HP (takeoff)** 900 shp ea.
Dimensions main rotor 48 ft/14.6 m **Tail rotor** 8.5 ft/2.59 m
Height 4.85 ft/4.53 m **Length** 57.25 ft/17.5 m **Width** 9.25 ft/2.8 m
Empty weight 5,972 lbs/2708 kg **Gross weight** 11,200 lbs/5,080 kg
Useful load 5,228 lbs/2,371 kg **External** 5,000 lbs/2,268 kg
Vne 100 kts/185 kmh **Max cruise** 109 kts/202 kmh
Max rate of climb 1,320 fpm/404 mpm
HIGE 11,000 ft/3,350 m **HOGE** N/A
Service ceiling 14,200 ft/4,324 m **S/E service ceiling** 5,000 ft/1,523 m
Std fuel 215 gal/814 lit **Max fuel** 395 gal/1,506 lit
Max range std fuel (no reserve) 231 nm/443 km @ 4,000 ft (1,218 m)
Range with opt fuel 428 nm/787 km @ 4,000 ft (1,218 m)
VFR Crew 1 **Passengers** 14
Standard avionics One VHF comm, ICS panel.
1984 base price ($ U.S.) Quoted on request
For more information contact Jim Hamilton (817) 280-8200

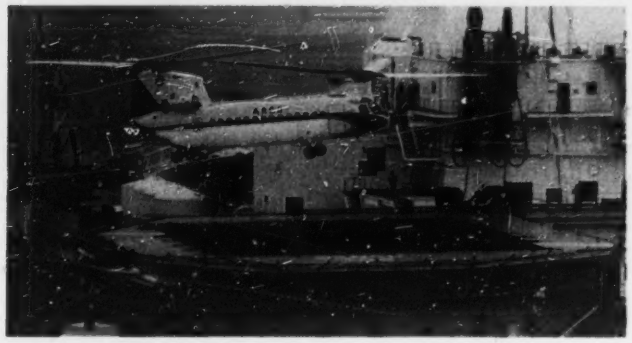
Manufacturer/Model Bell Helicopter Textron 214B/214B-1
Total production (all variants) 400 + **First flight** 1975
Comments No longer in production. External load gross weight = 16,000 lbs. 214B-1 is same helicopter with maximum internal gross weight of 12,500 lbs (5,669 kg).
Engine(s) (1) Lycoming T5508D **HP (takeoff)** 2,930 shp
Dimensions main rotor 50 ft/15.2 m **Tail rotor** 9.58 ft/3.0 m
Height 13.42 ft/4.1 m **Length** 60.42 ft/18.4 m **Width** 9.33 ft/2.9 m
Empty weight 7,655 lbs/3,472 kg **Gross weight** 13,800 lbs/6,620 kg
Useful load 6,145 lbs/2,787 kg **External** 8,000 lbs/3,628 kg
Vne 140 kts/259 kmh **Max cruise** 140 kts/259 kmh
Max rate of climb 1,910 fpm/582 mpm
HIGE 15,000 ft/4,572 m **HOGE** 10,500 ft/3,200 m
Service ceiling 16,000 ft/4,875 m **S/E service ceiling** N/A
Std fuel 204 gal/772 lit **Max fuel** 379 gal/1,434 lit
Max range std fuel (no reserve) 196 nm/363 km @ 5,000 ft (1,523 m)
Range with opt fuel 368 nm/682 km @ 5,000 ft (1,523 m)
VFR Crew 1 **Passengers** 15
Standard avionics One VHF comm, ICS panel
1984 base price ($ U.S.) N/A
For more information contact Jim Hamilton (817) 280-8200

Manufacturer/Model Bell Helicopter Textron 214ST
Total production (all variants) 35 + **First flight** 1977
Comments Vne at reduced gross weight is up to 160 knots. Standard configuration is IFR-certificated. Air data system, automated power assurance, in-flight blade-tracking.
Engine(s) (2) G.E. CT7-2A **HP (takeoff)** 1,625 shp ea.
Dimensions main rotor 52 ft/15.85 m **Tail rotor** 9.67 ft/2.94 m
Height 15.4 ft/4.7 m **Length** 62.19 ft/18.95 m **Width** 9.5 ft/2.89 m
Empty weight 9,500 lbs/4,308 kg **Gross weight** 17,500 lbs/7,937 kg
Useful load 8,000 lbs/3,628 kg **External** 8,000 lbs/3,628 kg
Vne 130 kts/241 kmh **Max cruise** 143 kts/265 kmh
Max rate of climb 1,850 fpm/563 mpm
HIGE 6,400 ft/1,949 m **HOGE** 1,000 ft/305 m
Service ceiling 10,000 ft/3,045 m **S/E service ceiling** 4,800 ft/1,462 m
Std fuel 435 gal/1,646 lit **Max fuel** 609 gal/2,305 lit
Max range std fuel (no reserve) 457 nm/847 km @ 4,000 ft (1,218 m)
Range with opt fuel 657 nm/1,216 km @ 4,000 ft (1,218 m)
VFR Crew 2 **Passengers** 18
Standard avionics Dual VHF comm, dual VHF NAV, RNAV, DME, transponder, ADF dual ICS panels, AFCS
1984 base price ($ U.S.) Quoted on request
For more information contact Jim Hamilton (817) 280-8200

Manufacturer/Model Boeing Model 234 Long Range
Total production (all variants) 8 **First flight** Aug. 19, 1980
Comments Passenger, tandem rotor helicopter. Airliner-type interior.
Engine(s) (2) Lycoming AL5512 **HP (takeoff)** 4,075 shp
Dimensions main rotor 60 ft/18.3 m **Tail rotor** N/A
Height 18.6 ft/5.7 m **Length** 99 ft/30.2 m **Width** 15.7 ft/4.8 m
Empty weight 25,900 lbs/11,748 kg **Gross weight** 48,500 lbs/23,000 kg
Useful load 22,600 lbs/10,251 kg **External** 28,000 lbs/12,700 kg
Vne 150 kts/278 kmh **Max cruise** 145 kts/269 kmh
Max rate of climb 1,180 fpm/360 mpm
HIGE 8,500 ft/2,590 m **HOGE** 2,700 ft/823 m
Service ceiling 8,500 ft/2,590 m **S/E service ceiling** 1,500 ft/457 m
Std fuel 2,100 gal/7,948 lit **Max fuel** See 234 ER
Max range std fuel (no reserve) 729 nm/1,334 km
Range with opt fuel See 234 ER
VFR Crew 3 **Passengers** 44
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Furnished upon request
For more information contact Marketing Dept. (215) 522-3357



Manufacturer/Model Boeing Model 234 UT
Total production (all variants) 0 **First flight** June 24, 1981
Comments Utility version designed for external load work. Can also carry cargo/passengers internally. Gross weight is with external load.
Engine(s) (2) Lycoming AL5512 **HP (takeoff)** 4,075 shp
Dimensions main rotor 60 ft/18.3 m **Tail rotor** N/A
Height 18.6 ft/5.7 m **Length** 99 ft/30.2 m **Width** 15.7 ft/4.8 m
Empty weight 21,000 lbs/9,526 kg **Gross weight** 51,000 lbs/23,134 kg
Useful load 30,000 lbs/13,608 kg **External** 28,000 lbs/12,700 kg
Vne 140 kts/259 kmh **Max cruise** 140 kts/259 kmh
Max rate of climb 950 fpm/274 mpm
HIGE 8,500 ft/2,590 m **HOGE** 2,900 ft/884 m
Service ceiling 6,800 ft/2,073 m **S/E service ceiling** N/A
Std fuel 978 gal/3,702 lit **Max fuel** N/A
Max range std fuel (no reserve) 331 nm/613 km
Range with opt fuel N/A
VFR Crew 2 **Passengers** N/A
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Furnished upon request
For more information contact Marketing Dept. (215) 522-3357

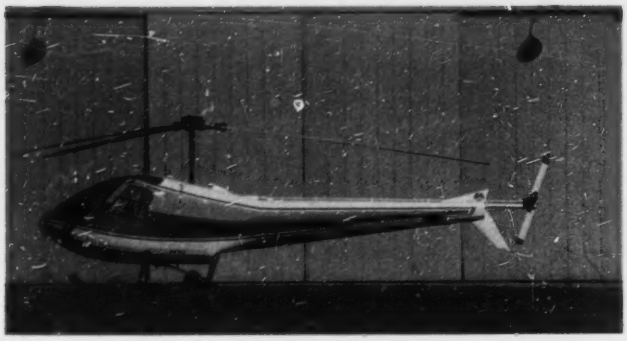


Manufacturer/Model Boeing Model 234 ER (Extended Range)
Total production (all variants) 2 **First flight** March 29, 1983
Comments Extended Range passenger configuration with utility fuel tanks added to interior.
Engine(s) (2) Lycoming AL5512 **HP (takeoff)** 4,075 shp
Dimensions main rotor 60 ft/18.3 m **Tail rotor** N/A
Height 18.6 ft/5.7 m **Length** 99 ft/30.2 m **Width** 15.7 ft/4.8 m
Empty weight 26,500 lbs/11,476 kg **Gross weight** 48,500 lbs/23,000 kg
Useful load 22,000 lbs/9,979 kg **External** 28,000 lbs/12,700 kg
Vne 150 kts/278 kmh **Max cruise** 145 kts/269 kmh
Max rate of climb 1,180 fpm/360 mpm
HIGE 8,500 ft/2,590 m **HOGE** 2,700 ft/823 m
Service ceiling 8,500 ft/2,590 m **S/E service ceiling** 1,500 ft/457 m
Std fuel 3,078 gal/11,650 lit **Max fuel** N/A
Max range std fuel (no reserve) 1,136 nm/2,105 km
Range with opt fuel N/A
VFR Crew 2 **Passengers** 17
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Furnished upon request
For more information contact Marketing Dept. (215) 522-3375

Manufacturer/Model California Helicopter International S58T
Total production (all variants) 2300 + **First flight** 1954 (S58) 1970 (S58T)
Comments Available with PT6T-3 or PT6T-6 engines. Information shown is for -6 version.
Engine(s) (2) P&W PT6T-6 Twin Pac **HP (takeoff)** 1,875 shp
Dimensions main rotor 56 ft/17.07 m **Tail rotor** 9.5 ft/2.90 m
Height 15.92 ft/4.5 m **Length** 50.92 ft/15.32 m **Width** 5.66 ft/1.73 m
Empty weight 7,577 lbs/3,436 kg **Gross weight** 13,000 ibs/5,896 kg
Useful load 5,423 lbs/2,460 kg **External** 5,000 lbs/2,250 kg
Vne 124 kts/229 kmh **Max cruise** 110 kts/204 kmh
Max rate of climb 1,220 fpm/372 mpm
HIGE 10,400 ft/3,170 m **HOGE** 6,500 ft/1,981 m
Service ceiling 12,800 ft/3,901 m **S/E service ceiling** 4,300 ft/1,311 m
Std fuel 283 gal/1,071 lit **Max fuel** 433 gal/1,645 lit
Max range std fuel (no reserve) 280 nm/518 km
Range with opt fuel 420 nm/777 km
VFR Crew 1 **Passengers** 18
Standard avionics VHF20, ADF60, VOR, VIR 31
1984 base price ($ U.S.) Furnished upon request.
For more information contact California Helicopter (818) 767-2032

Manufacturer/Model Boeing Model 234 LR Combi
Total production (all variants) 8 **First flight** August 19, 1980
Comments Tandem rotor helicopter. Combination passenger/cargo
Engine(s) (2) Lycoming AL5512 **HP(takeoff)** 4,075 shp
Dimensions main rotor 60 ft/18.3 M **Tail rotor** N/A
Height 18.6 ft/5.7 m **Length** 99 ft/30.2 m **Width** 15.7 ft/4.8 m
Empty weight 25,380 lbs/11,513 kg **Gross weight** 48,500 lbs/23,000 kg
Useful Load 23,120 lbs/10,488 kg **External** 28,000 lbs/12,700 kg
Vne 150 kts/278 kmh **Max cruise** 145 kts/269 kmh
Max rate of climb 1,180 fpm/360 mpm
HIGE 8,500 ft/2,590 m **HOGE** 2,700 ft/823 m
Service calling 8,500 ft/2,590 m **S/E service calling** 1,500 ft/457 m
Std fuel 2,100 gal/7,948 lit **Max fuel** See 234 ER
Max range std fuel (no reserve) 729 nm/1,334 km
Range with opt fuel See 234 ER
VFR Crew 2/3 **Passengers** 17 to 44
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) Furnished upon request
For more information contact Marketing Dept. (215) 522-3357

Manufacturer/Model Enstrom Helicopter Corporation Model F-28F
Total production (all variants) 40 **First flight** Nov. 4, 1980
Comments Enstrom's emphasis on product support and the operator's needs is reflected in the 225 hp "F" series, which provides 2,350 lb gross weight HIGE capabilities on an ISA + 30° day at 9,400 ft.
Engine(s) (1) Lycoming HIO-360-F1ADw/Rayjayturbo **HP (takeoff)** 225 hp
Dimensions main rotor 32 ft/9.75 m **Tail rotor** 4.78 ft/1.45 m
Height 9 ft/2.74 m **Length** 29.3 ft/8.9 m **Width** 7.5 ft/2.29 m
Empty weight 1,550 lbs/703 kg **Gross weight** 2,600 lbs/1,180 kg
Useful load 1,050 lbs/476 kg **External** 1,000 lbs/453.6 kg
Vne 97 kts/180 kph (SL to 915 m) **Max cruise** 97 kts/180 kph
Max rate of climb 1,450 fpm/440 mpm
HIGE 13,200 ft/4,023 m **HOGE** 8,700 ft/2,650 m @ 2,300 lb, HIGE 7,800 ft/2,375 m @ 2,600 lb
Service ceiling 12,000 ft/3,650 m (max. op. alt.) **S/E service ceiling** N/A
Std fuel 40 gal/151 lit **Max fuel** 52.7 gal/200 lit
Max range std fuel (no reserve) 228 nm/423 km
Range with opt fuel 313 nm/580 km
VFR Crew 1 **Passengers** 2
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $142,750
For more information contact Robert Jenny (906) 863-9971



Manufacturer/Model Enstrom Helicopter Corporation Model 280F
Total production (all variants) 15 **First flight** Nov. 4, 1980
Comments The Enstrom 280F, 225 hp "Shark" is keeping pace with the executive's needs by increasing the maximum cruise speed by 7 knots.
Engine(s) (1)LycomingHIO-360-F1ADw/Rayjayturbo **HP(takeoff)** 225 hp
Dimensions main rotor 32 ft/9.75 m **Tail rotor** 4.78 ft/1.45 m
Height 9 ft/2.74 m **Length** 27.7 ft/8.4 m **Width** 7.5 ft/2.29 m
Empty weight 1,550 lbs/703 kg **Gross weight** 2,600 lbs/1,880 kg
Useful load 1,050 lbs/476 kg **External** 1,000 lbs/453.6 kg
Vne 102 kts/188 kph (SL to 915 m) **Max cruise** 102 kts/188 kph
Max rate of climb 1,450 fpm/440 mpm
HIGE 13,200 ft/4,023 m **HOGE** 8,700 ft/2,652 m @ 2,350 lb,
HIGE 7,800 ft/2,375 m @ 2,600 lb.
Service ceiling 12,000 ft/3,650 m (max. op. alt.) **S/E service ceiling** N/A
Std fuel 40 gal/151 lit **Max fuel** 52.7 gal/200 lit
Max range std fuel (no reserve) 241 nm/446 km
Range with opt fuel 318 nm/589 km
VFR Crew 1 **Passengers** 2
Standard avionics None. Factory installed avionics available.
1984 base price ($ U.S.) $146,950
For more information contact Robert Jenny (906) 863-9971

Manufacturer/Model Hiller Aviation UH12E
Total production (all variants) 100 + **First flight** 1958
Comments
Engine(s) (1) Lycoming VO 540-C2A **HP (takeoff)** 340 shp
Dimensions main rotor 35.33 ft/10.7 m **Tail rotor** 5.55 ft/1.69 m
Height 10.08 ft/3.07 m **Length** 28.42 ft/8.66 m **Width** 4.9 ft/1.5 m
Empty weight 1,759 lbs/797.87 kg **Gross weight** 3,100 lbs/1406.14 kg
Useful load 1,341 lbs/608.27 kg **External** 1,000 lbs/453.59 kg
Vne 84 kts/155.57 kmh **Max cruise** 78 kts/144.46 kmh
Max rate of climb 1,290 fpm/193.19 mpm
HIGE 7,400 ft/2,256 m **HOGE** 3,800 ft/1,158 m
Service ceiling N/A **S/E service ceiling** N/A
Std fuel 46 gal/174.13 lit **Max fuel** 86 gal/325.55 lit
Max range std fuel (no reserve) 210 nm/389 km
Range with opt fuel 405 nm/750 km
VFR Crew 1 **Passengers** 2
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $139,500
For more information contact Herb Moseley, Bill Upton, Vic Symonds (209)781-8000

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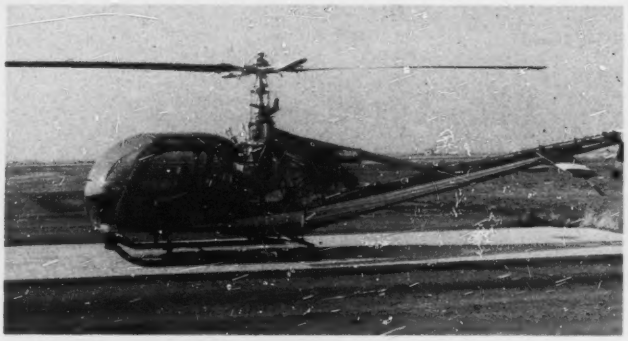

Manufacturer/Model Hiller Aviation UH12E4 Turbine
Total production (all variants) N/A **First flight** N/A
Comments
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 420 shp
Dimensions main rotor 35.33 ft/10.77 m **Tail rotor** 5.55 ft/1.69 m
Height 10.08 ft/3.07 m **Length** 28.9 ft/8.8 m **Width** 4.9 ft/1.5 m
Empty weight 1,650 lbs/748 kg **Gross weight** 3,100 lbs/1,406 kg
Useful load 1,450 lbs/658 kg **External** 1,200 lbs/544 kg
Vne 84 kts/155.5 kmh **Max cruise** 78 kts/144.46 kmh
Max rate of climb 1,463 fpm/446 mpm
HIGE 11,300 ft/344 m **HOGE** 8,700 ft/2,652 m
Service ceiling 14,000 ft/4,267 m **S/E service ceiling** N/A
Std fuel 46 gal/174.13 lit **Max fuel** 86 gal/325.55 lit
Max range std fuel (no reserve) 159 nm/255 km
Range with opt fuel 274 nm/507 km
VFR Crew 1 **Passengers** 3
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $253,000
For more information contact Herb Moseley, Bill Upton
Vic Symonds (209) 781-8000

Manufacturer/Model Hiller Aviation H 1100B
Total production (all variants) 250 **First flight** 1962
Comments
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 420 shp
Dimensions main rotor 33.68 ft/10.27 m **Tail rotor** 6 ft/1.83 m
Height 9.08 ft/2.77 m **Length** 28.25 ft/8.61 m **Width** 4.33/1.3 m
Empty weight 1,500 lbs/680.39 kg **Gross weight** 2,850 lbs/1,292.74 kg
Useful load 1,250 lbs/566.99 kg **External** 1,250 lbs/566.99 kg
Vne 122 kts/225.94 kmh **Max cruise** 117 kts/216.68 kmh
Max rate of climb 1,600 fpm/487.68 mpm
HIGE 17,000 ft/5,181.60 m **HOGE** 9,000 ft/2,743.20 m
Service ceiling 18,654 ft/5,685.74 m **S/E service ceiling** N/A
Std fuel 68.5 gal/259.30 lit **Max fuel** 108.5 gal/410.72 lit
Max range std fuel (no reserve) 390 nm/739 km
Range with opt fuel 635 nm/1,176 km
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $315,000
For more information contact Herb Moseley, Bill Upton,
Vic Symonds (209)781-8000

Manufacturer/Model Hiller Aviation UH12E4
Total production (all variants) N/A **First flight** N/A
Comments The UH12E4 is the only 4 place piston powered helicopter in production today.
Engine(s) (1) Lycoming VO 540-C2A **HP (takeoff)** 340 shp
Dimensions main rotor 35.33 ft/10.77 m **Tail rotor** 5.55 ft/1.69 m
Height 10.08 ft/3.07 m **Length** 28.42 ft/8.66 m **Width** 4.9 ft/1.5 m
Empty weight 1,836 lbs/833 kg **Gross weight** 3,100 lbs/1,406 kg
Useful load 1,264 lbs/573 kg **External** 1,200 lbs/544 kg
Vne 84 kts/155.5 kmh **Max cruise** 78 kts/144.46 kmh
Max rate of climb 933 fpm/284 mpm
HIGE 10,400 ft/3,170 m **HOGE** 6,800 ft/2,073 m
Service ceiling 15,000 ft/4,572 m **S/E service ceiling** N/A
Std fuel 46 gal/174.13 lit **Max fuel** 86 gal/325.55 lit
Max range std fuel (no reserve) 210 nm/389 km
Range with opt fuel 405 nm/750 km
VFR Crew 1 **Passengers** 3
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $157,700
For more information contact Herb Moseley, Bill Upton,
Vic Symonds (209) 781-8000

Manufacturer/Model Hiller Aviation UH12E Turbine
Total production (all variants) N/A **First flight** N/A
Comments
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 420 shp
Dimensions main rotor 35.33 ft/10.77 m **Tail rotor** 5.55 ft/1.69 m
Height 10.08 ft/3.07 m **Length** 28.42 ft/8.66 m **Width** 4.9 ft/1.5 m
Empty weight 1,650 lbs/748 kg **Gross weight** 3,100 lbs/1,406 kg
Useful load 1,450 lbs/658 kg **External** 1,200 lbs/544 kg
Vne 84 kts/155.57 kmh **Max cruise** 78 kts/144.46 kmh
Max rate of climb 1,706 fpm/520 mpm
HIGE 11,300 ft/3,444 m **HOGE** 8,700 ft/2,652 m
Service ceiling 14,000 ft/4,267 m **S/E service ceiling** N/A
Std fuel 46 gal/174.13 lit **Max fuel** 86 gal/325.55 lit
Max range std fuel (no reserve) 159 nm/255 km
Range with opt fuel 274 nm/507 km
VFR Crew 1 **Passengers** 2
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $232,300
For more information contact Herb Moseley, Bill Upton,
Vic Symonds (209)781-8000

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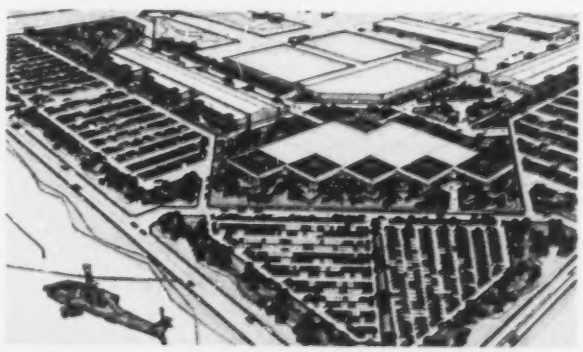

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Manufacturer/Model Hughes Helicopters, Inc. Model 500E
Total production (all variants) 3,668 **First flight** 1982
Comments The 500E is the latest version of the Model 500 series which began in 1962 with the US Army OH-6A. It incorporates important changes in comfort and styling recommended by the customer.
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 420 shp
Dimensions main rotor 26.35 ft/8.03 m **Tail rotor** 4.58 ft/1.4 m
Height 9.18 ft/2.8 m **Length** 30.8 ft/9.4 m **Width** 6.07 ft/1.85 m
Empty weight 1,455 lbs/660 kg **Gross weight** 3,000 lbs/1,361 kg
Useful load 1,545 lbs/700 kg **External** 2,000 lbs/950 kg
Vne 152 kts/282 kmh **Max cruise** 139 kts/258 kmh
Max rate of climb 1,900 fpm/579 mpm
HIGE 8,500 ft/2,591 m **HOGE** 6,000 ft/1,829 m
Service ceiling 15,000 ft/4,572 m **S/E service ceiling** N/A
Std fuel 64 gal/242 lit **Max fuel** 115 gal/435 lit
Max range std fuel (no reserve) 330 nm/612 km (5,000 ft)
Range with opt fuel 612 nm/1,134 km (5,000 ft)
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $395,000
For more information contact Max E. Wiley (213) 305-3054

Manufacturer/Model Hughes Helicopters, Inc. Model 530F
Total production (all variants) 20 **First flight** 1982
Comments Hot day/high altitude version of Model 500 series. Incorporates all features of 500E plus larger rotors, high gross weight.
Engine(s) (1) Allison 250-C30 **HP (takeoff)** 650 shp
Dimensions main rotor 27.4 ft/8.4 m **Tail rotor** 4.75 ft/1.45 m
Height 9.18 ft/2.8 m **Length** 32.06 ft/9.77 m. **Width** 6.07 ft/1.85 m
Empty weight 1,585 lbs/719 kg **Gross weight** 3,100 lbs/1,406 kg
Useful load 1,515 lbs/687 kg **External** 2,000 lbs/1,610 kg
Vne 152 kts/282 kmh **Max cruise** 135 kts/250 kmh
Max rate of climb 1,703 fpm/519 mpm
HIGE 14,200 ft/4,328 m **HOGE** 10,800 ft/3,292 m
Service ceiling 18,000 ft/5,486 m **S/E service ceiling** N/A
Std fuel 64 gal/242 lit **Max fuel** 115 gal/435 lit
Max range std fuel (no reserve) 234 m/434 km (5,000 ft)
Range with opt fuel 434 nm/804 km (5,000 ft)
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $515,000
For more information contact Max E. Wiley (213) 305-3054

Manufacturer/Model Hughes Helicopters, Inc. Model 300C
Total production (all variants) 2,700 + **First flight** 1971
Comments The 300C is the latest version of the Model 300 series which began in 1956 and is being built by Schweizer Aircraft (a Hughes licensee) in Elmira, New York.
Engine(s) (1) Lycoming HIO-360-D1A **HP (takeoff)** 225 hp
Dimensions main rotor 26.84 ft/8.18 m **Tail rotor** 4.25 ft/1.30 m
Height 8.75 ft/2.67 m **Length** 30.83 ft/9.40 m **Width** 6.54 ft/1.99 m
Empty weight 1,100 lbs/499 kg **Gross weight** 2,050 lbs/930 kg
Useful load 950 lbs/431 kg **External** 2,150 lbs/975 kg
Vne 91 kts/169 kmh **Max cruise** 83 kts/154 kmh (4,000 ft)
Max rate of climb 750 fpm/229 mpm
HIGE 6,000 ft/1,829 m **HOGE** 2,700 ft/823 m
Service ceiling 10,200 ft/3,109 m **S/E service ceiling** N/A
Std fuel 30 gal/113 lit **Max fuel** 49 gal/185 lit
Max range std fuel (no reserve) 230 nm/426 km (4,000 ft)
Range with opt fuel 376 nm/6f97 km (4,000 ft)
VFR Crew 1 **Passengers** 2
Standard avionics None. Optional factory installed avionics available.
1983 base price ($ U.S.) $132,500
For more information contact Max E. Wiley (213) 305-3054, Bruce Kurtz (607) 739-3821

Manufacturer/Model Kawasaki Heavy Industries, Ltd./Kawasaki-Hughes H500 series
Total production (all variants) 306 **First flight** 1967
Comments Manufactured under license from Hughes Helicopter. A light weight high performance 5 seat helicopter.
Engine(s) (1) D.D. Allison 250-C20B (D model) **HP (takeoff)** 420 shp
Dimensions main rotor 26.42 ft/8.05 m **Tail rotor** 4.58 ft/1.40 m
Height 8.94 ft/2.72 m **Length** 30.5 ft/9.30 m **Width** 6.79 ft/2.07 m
Empty weight 1,369 lbs/621 kg **Gross weight** 3,000 lbs/1,361 kg
Useful load 1,631 lbs/740 kg **External** 2,181 lbs/989 kg
Vne 152 kts/282 kmh **Max cruise** 139 kts/258 kmh
Max rate of climb 1,875 fpm/572 mpm
HIGE 8,500 ft/2,591 m **HOGE** 7,400 ft/2,256 m
Service ceiling 14,700 ft/4,481 m **S/E service ceiling** N/A
Std fuel 64 gal/242 lit **Max fuel** N/A
Max range std fuel (no reserve) 260 nm/481 km
Range with opt fuel N/A
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) N/A
For more information contact Keishiro Tanaka (03) 435-2495

Manufacturer/Model Kawasaki Heavy Industries, Ltd./Kawasaki BK117
Total production (all variants) 6 **First flight** 1979
Comments A true multi-purpose light-twin helicopter jointly developed by Kawasaki and MBB of West Germany. Safety, reliability and versatility are the prime design objectives.
Engine(s) (2) Avco-Lycoming LTS101-650B-1 **HP (takeoff)** 550 shp ea.
Dimensions main rotor 36.09 ft/11 m **Tail rotor** 6.29 ft/1.92 m
Height 11.02 ft/3.36 m **Length** 42.58 ft/12.98 m **Width** 8.86 ft/2.70 m
Empty weight 3,627 lbs/1,645 kg **Gross weight** 6,284 lbs/2,850 kg
Useful load 2,657 lbs/1,205 kg **External** 2,988 lbs/1,355 kg
Vne 150 kts/278 kmh **Max cruise** 144 kts/267 kmh (8,000 ft)
Max rate of climb 1,920 fpm/585 mpm
HIGE 6,600 ft/2,010 m **HOGE** 8,400 ft/2,560 m
Service ceiling 15,000 ft/4,572 m **S/E service ceiling** 8,800 ft/2,680 m
Std fuel 156 gal/590 lit **Max fuel** 236 gal/900 lit
Max range std fuel (no reserve) 270 nm/500 km (at 124 kts/230 kmh, S/L)
Range with opt fuel 410 nm/760 km, S/L
VFR Crew 1 **Passengers** 10
Standard avionics One VHF (Collins VHF-250)
1984 base price ($ U.S.) N/A
For more information contact Keishiro Tanaka (03) 435-2495

Manufacturer/Model Kawasaki Heavy Industries, Ltd./Kawasaki Bell 47/G3B-KH4
Total production (all variants) 439 **First flight** 1961 (KH4)
Comments Manufactured under the license from Bell Helicopter. KH4 was a modified version of 47G3B to accommodate one crew and three passengers, and the best seller in Japan.
Engine(s) (1) Avco-Lycoming TV0-435 **HP (takeoff)** 260 hp
Dimensions main rotor 37.13 ft/11.32 m **Tail rotor** 5.84 ft/1.78 m
Height 9.3 ft/2.84 m **Length** 43.63 ft/13.3 m **Width** 9.46 ft/2.88 m
Empty weight 1,850 lbs/839 kg **Gross weight** 2,850 lbs/1,293 kg
Useful load 1,000 lbs/454 kg **External** 1,000 lbs/454 kg
Vne 91 kts/168 kmh **Max cruise** 75 kts/139 kmh (5,000 ft)
Max rate of climb 850 fpm/259 mpm
HIGE 18,000 ft/5,486 m **HOGE** 15,000 ft/4,572 m
Service ceiling 18,500 ft/5,639 m **S/E service ceiling** N/A
Std fuel 53 gal/201 lit **Max fuel** N/A
Max range std fuel (no reserve) 214 nm/397 km (5,000 ft)
Range with opt fuel N/A
VFR Crew 1 **Passengers** 3
Standard avionics None.
1984 base price ($ U.S.) Out of production
For more information contact Keishiro Tanaka (03) 435-2495

Manufacturer/Model Kawasaki-Boeing KV107IIA
Total production (all variants) 143 **First flight** April 1962
Comments Kawasaki-built KV107's are operated by the Japan Self-Defense Forces, Tokyo Police, Airlift Corp., (Japan), Columbia Helicopters, (U.S.), the Royal Swedish Navy, & the Ministry of Interior, Saudi Arabia.
Engine(s) (2) CT58-140-1 or CT58-IHI-140-1 **HP (takeoff)** 1,400 hp
Dimensions main rotor 50 ft/15.24 m **Tail rotor** N/A
Height 16.10 ft/5.13 m **Length** 83.4 ft/25.40 m **Width** 14.6 ft/4.42 m
Empty weight 11,570 lbs/5,248 kg **Gross weight** 19,000 lbs/8,618 kg
Useful load 7,430 lbs/3,370 kg **External** 7,430 lbs/3,370 kg
Vne 146 kts/270 kmh **Max cruise** 135 kt/250 kmh
Max rate of climb 2,000 fpm/610 mpm
HIGE 12,000 ft/3,810 m **HOGE** 9,000 ft/2,743 m
Service ceiling 18,000 ft/5,486 m **S/E service ceiling** 5,700 ft/1,740 m
Std fuel 350 gal/1,325 lit **Max fuel** N/A
Max range std fuel (no reserve) 238 nm/441 km
Range with opt fuel N/A
VFR Crew 3 **Passengers** 25
Standard avionics ADF, Gyro compass, transponder, VHF, ICS, SAS AST
1984 base price ($ U.S.) $7,500,000
For additional information contact International Sales (03) 435-2461, Telex: 242-4371

Manufacturer/Model Messerschmitt-Boelkow-Blohm GmbH BO 105 CB
Total production (all variants) 1,100 **First flight** 1975
Comments World's first light, twin-engine helicopter for commercial use. Proven success in executive transport, utility, offshore, police, military and EMS use.
Engine(s) (2) Allison 250-C20B **HP (takeoff)** 420 shp
Dimensions main rotor 32.25 ft/9.84 m **Tail rotor** 6.17 ft/1.9 m
Height 9.08 ft/3 m **Length** 38.08 ft/11.8 m **Width** 8.17 ft/2.53 m
Empty weight 2,780 lbs/1,261 kg **Gross weight** 5,291 lbs/2,400 kg
Useful load 2,548 lbs/1,156 kg **External** 1,984 lbs/900 kg
Vne 145 kts/270 kmh **Max cruise** 131 kts/242 kmh
Max rate of climb 1,476 fpm/450 mpm
HIGE 8,400 ft/2,560 m **HOGE** 5,300 ft/1,620 m
Service ceiling 17,000 ft/5,180 m **S/E service ceiling** 2,920 ft/890 m
Std fuel 151.3 gal/572.9 lit **Max fuel** 256.7 gal/969 lit
Max range std fuel (no reserve) 310 nm/575 km
Range with opt fuel 540 nm/1,000 km
VFR Crew 1 **Passengers** 4
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) N/A
For more information contact Donald Groenemann (215) 431-4150

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- ☐ Worldwide service network

For further information please contact

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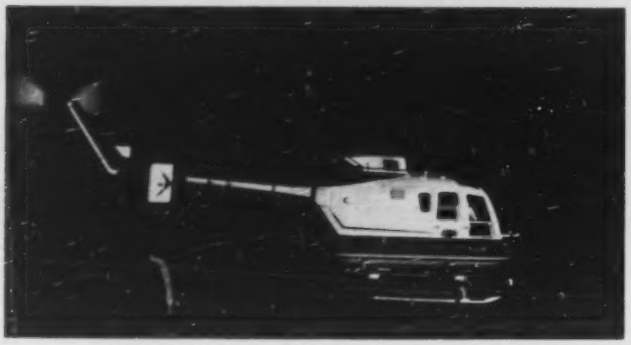
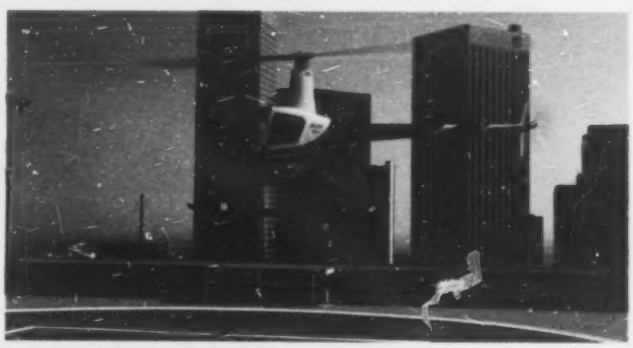


Manufacturer/Model Messerschmitt-Boelkow-Blohm GmbH BO 105 CBS
Total production (all variants) 1,100 **First flight** N/A
Comments BO 105 CBS incorporates a stretched fuselage cabin area, totalling 130 cubic feet of continuous space with access from sides and rear. Optional gross wt. of 5,512 lbs. available.
Engine(s) (2) Allison 250-C20B **HP (takeoff)** 420 shp
Dimensions main rotor 32.25 ft/9.84 m **Tail rotor** 6.17 ft/1.9 m
Height 9.08 ft/3 m **Length** 38.08 ft/11.8 m **Width** 8.17 ft/2.53 m
Empty weight 2,780 lbs/1,261 kg **Gross weight** 5,291 lbs/2,400 kg
Useful load 2,511 lbs/1,139 kg **External** 1,984 lbs/900 kg
Vne 145 kts/270 kmh **Max cruise** 131 kts/242 kmh
Max rate of climb 1,476 fpm/450 mpm
HIGE 8,400 ft/2,560 m **HOGE** 5,300 ft/1,620 m
Service ceiling 17,000 ft/5,180 m **S/E service ceiling** 2,920 ft/890 m
Std fuel 151.3 gal/572.9 lit **Max fuel** 256.7 gal/969 lit
Max range std fuel (no reserve) 310 nm/575 km
Range with opt fuel 540 nm/1,000 km
VFR Crew 1 **Passengers** 5
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $780,000
For more information contact Donald Groenemann (215) 431-4150

Manufacturer/Model Messerschmitt-Boelkow-Blohm GmbH BO105LS
Total production (all variants) N/A **First flight** N/A
Comments Designed especially for "hot" and "high" operating environments and external lifting applications.
Engine(s) (2) Allison 250-C28C **HP (takeoff)** 550 shp
Dimensions main rotor 32.35 ft/9.84 m **Tail rotor** 6.17 ft/1.9 m
Height 10 ft/3.05 m **Length** 38.08 ft/11.6 m **Width** 8.25 ft/2.53 m
Empty weight 2,932 lbs/1,330 kg **Gross weight** 5,291 lbs/2,400 kg
Useful load 2,359 lbs/1,070 kg **External** 2,505 lbs/1,136 kg
Vne 145 kts/269 kmh **Max cruise** 132 kts/244 kmh
Max rate of climb 1,820 fpm/555 mpm
HIGE 12,360 ft/3,850 m **HOGE** 10,830 ft/3,300 m
Service ceiling 20,000 ft/6,100 m **S/E service ceiling** 9,646 ft/2,940 m
Std fuel 150 gal/567.8 lit **Max fuel** N/A
Max range std fuel (no reserve) 290 nm/536 km
Range with opt fuel N/A
VFR Crew 1 **Passengers** 5
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $880,000
For more information contact Donald Groenemann (215) 431-4150

Manufacturer/Model Messerschmitt-Boelkow-Blohm GmbH BK 117
Total production (all variants) 50 **First flight** N/A
Comments Medium twin-engine, multi-purpose helicopter with 200 cubic feet of continuous cabin space, accessible from sides or rear. Employs proven BO 105 advanced technology.
Engine(s) (2) Lycoming LTS-101-650 B1 **HP (takeoff)** 550 shp ea.
Dimensions main rotor 36.09 ft/11 m **Tail rotor** 6.29 ft/1.92 m
Height 11.02 ft/3.36 m **Length** 32.74 ft/9.98 m **Width** 8.17 ft/2.5 m
Empty weight 3,638 lbs/1,650 kg **Gross weight** 6,283 lbs/2,850 kg
Useful load 2,645 lbs/1,200 kg **External** N/A
Vne 150 kts/278 kmh **Max cruise** 136 kts/251 kmh
Max rate of climb 1,950 fpm/594 mpm
HIGE 9,850 ft/3,000 m **HOGE** 8,200 ft/2,500 m
Service ceiling 15,000 ft/4,572 m **S/E service ceiling** 8,695 ft/2,650 m
Std fuel 157 gal/595.5 lit **Max fuel** 288.9 gal/1,093 lit
Max range std fuel (no reserve) 270 nm/500 km
Range with opt fuel 505 nm/735 km
VFR Crew 1 **Passengers** 6-11
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $1,080,000
For more information contact Donald Groenemann (215) 431-4150



Manufacturer/Model Robinson R22 Alpha
Total production (all variants) 450 **First flight** 1975
Comments Top selling piston helicopter used for power & pipeline patrol, flight training, herding, TV & feature filming, traffic watch, photography, construction & oil industry support, executive & personal transport.
Engine(s) (1) Lycoming 0-320-B2C **HP (takeoff)** 160 hp derated to 124 hp
Dimensions main rotor 25.2 ft/7.7 m **Tail rotor** 3.5 ft/1.1 m
Height 8.75 ft/2.7 m **Length** 28.75 ft/8.8 m **Width** 6.33 ft/1.9 m
Empty weight 824 lbs/374 kg **Gross weight** 1,370 lbs/621 kg
Useful load 546 lbs/248 kg **External** None
Vne 102 kts/189 kmh **Max cruise** 96 kts/178 kmh
Max rate of climb 1,000 fpm/305 mpm
HIGE 6,970 ft/2,124 m **HOGE** N/A
Service ceiling 14,000 ft/4,267 m **S/E service ceiling** N/A
Std fuel 19.2 gal/72.7 lit **Max fuel** N/A
Max range std fuel (no reserve) 209 nm/386.3 km
Range with opt fuel N/A
VFR Crew 1 **Passengers** 1
Standard avionics King KY 197 COMM transceiver with intercom
1984 base price ($ U.S.) $81,850 includes dual controls, muffler, rate-of-climb, soundproofing, night & anti-collision lights
For more information contact Barbara Krauss (213) 539-0508

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Manufacturer/Model Schweizer Aircraft Corp. Hughes Model 300C
Total production (all variants) 2,700 + **First flight** 1971
Comments The 300C is the latest version of the Model 300 series which began in 1956 and is being built by Schweizer Aircraft (a Hughes licensee) in Elmira, New York.
Engine(s) (1) Lycoming HIO-360-D1A **HP (takeoff)** 190 hp
Dimensions main rotor 26.84 ft/8.18 m **Tail rotor** 4.25 ft/1.30 m
Height 8.75 ft/2.67 m **Length** 22.2 ft/6.76 m **Width** 6.54 ft/1.99 m
Empty weight 1,100 lbs/499 kg **Gross weight** 2,050 lbs/930 kg
Useful load 950 lbs/431 kg **External** 1,050 lbs/476 kg
Vne 91 kts/169 kmh **Max cruise** 83 kts/154 kmh (4,000 ft)
Max rate of climb 750 fpm/229 mpm at gross weight
HIGE 6,000 ft/1,829 m **HOGE** 2,700 ft/823 m
Service ceiling 10,200 ft/3,109 m **S/E service ceiling** N/A
Std fuel 30 gal/113 lit **Max fuel** 49 gal/185 lit
Max range std fuel (no reserve) 230 nm/426 km (4,000 ft)
Range with opt fuel 376 nm/6f97 km (4,000 ft)
VFR Crew 1 **Passengers** 2
Standard avionics None. Optional factory installed avionics available.
1984 base price ($ U.S.) $132,250
For more information contact Bruce A. Kurtz (607) 739-3821

Manufacturer/Model Sikorsky S-70C
Total production (all variants) 536 **First flight** 1978
Comments Commercial variant of the H-60 "HAWK" Series
Engine(s) (2) G.E. CT7-2C **HP (takeoff)** 1,565 hp
Dimensions main rotor 53.9 ft/16.4 m **Tail rotor** 11 ft/3.4 m
Height 16.8 ft/5.1 m **Length** 50.1 ft/15.3 m **Width** 7.8 ft/2.4 m
Empty weight 10,158 lbs/4,608 kg **Gross weight**
Design 16,825 lbs/7,623 kg Max 22,000 lbs/9,979 kg
Useful load 11,842 lbs/5,371 kg **External** 8,000 lbs/3,629 kg
Vne 193 kts/358 kph **Max cruise** 162 kts/300 kph
Max rate of climb 2,770 fpm/844 mpm
HIGE 14,200 ft/4,329 m **HOGE** 9,950 ft/3,033 m
Service ceiling 19,000 ft/5,971 m **S/E service ceiling** 10,100 ft/3,079 m
Std fuel 362 gal/1,370 lit **Max fuel** 362 gal/1,370 lit
Max range std fuel (no reserve) 350 nm/648 km@145 kts/269 kmh
Range with opt fuel N/A
VFR Crew 2 **Passengers** 19
Standard avionics AFCS including attitude and airspeed hold
1984 base price ($ U.S.) Furnished upon reques*
For more information contact Frank Hunter (203) 386-3514

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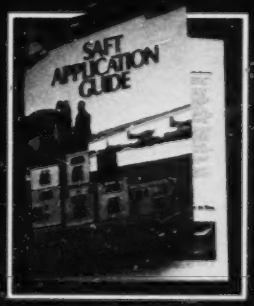

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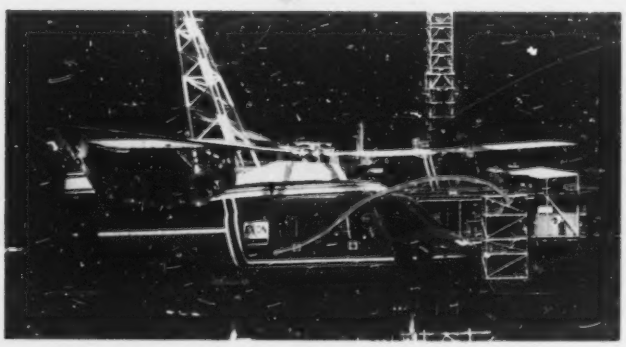
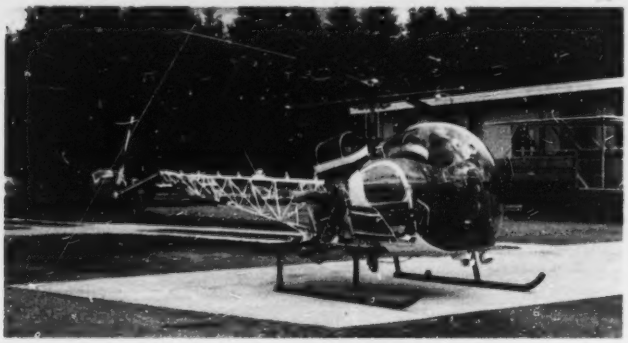
Manufacturer/Model Sikorsky S-61
Total production (all variants) 1,050 **First flight** 1959
Comments Out of production
Engine(s) (2) G.E. CT58-140 **HP (takeoff)** 1,400 shp ea.
Dimensions main rotor 62 ft/18.90 m **Tail rotor** 10.40 ft/3.17 m
Height 17.58 ft/5.36 m **Length** 61.42 ft/18.72 m **Width** 19.75 ft/6.02 m
Empty weight 12,510 lbs/5,675 kg **Gross weight** 20,500 lbs/9,299 kg
Useful load 7,990 lbs/3,624 kg **External** 11,000 lbs/4,985 kg
Vne 130 kts/241 kmh **Max cruise** 121 kts/224 kmh
Max rate of climb 1,300 fpm/396 mpm
HIGE 4,700 ft/1,433 m **HOGE** 500 ft/152 m
Service ceiling 12,500 ft/3,810 m **S/E service ceiling** 5,700 ft/1,737 m
Std fuel 410 gal/1,152 lit **Max fuel** 654 gal/2,076 lit
Max range std fuel (no reserve) 300 nm/555 km
Range with opt fuel 490 nm/907 km
VFR Crew 2 **Passengers** 26
Standard avionics None.
1984 base price ($ U.S.) Out of production since 1980.
For more information contact Frank Hunter (203) 386-3514



Manufacturer/Model Sikorsky S-76 Mark II
Total production (all variants) 251 **First flight** 1977
Comments
Engine(s) (2) DDA-250 **HP (takeoff)** 650 shp ea.
Dimensions main rotor 44 ft/13.41 m **Tail rotor** 8 ft/2.44 m
Height 11.79 ft/3.58 m **Length** 43.33 ft/13.21 m **Width** 8 ft/2.44 m
Empty weight 5,600 lbs/2,540 kg **Gross weight** 10,300 lbs/4,671 kg
Useful load 4,700 lbs/2,131 kg **External** 3,300 lbs/1,497 kg
Vne 155 kts/28.7 kph **Max cruise** 145 kts/268 kph
Max rate of climb 1,350 fpm/411 mpm
HIGE 6,200 ft/1,890 m **HOGE** 2,800 ft/853 m
Service ceiling (9,500 lbs) 15,000 ft **S/E service ceiling** 4,700 ft/1,433 m
Std fuel 281 gal/1,064 lit **Max fuel** 387 gal/1,463 lit
Max range std fuel (no reserve) 470 nm/870 km
Range with opt fuel 650 nm/870 km
VFR Crew 2 **Passengers** 12
Standard avionics Collins VHF
1984 base price ($ U.S.) 4th qtr.(Oct.-Dec.) $2,177,100
For more information contact Frank Hunter (203) 386-3514

Manufacturer/Model Soloy Conversions, Soloy-Hiller UH12E
Total production (all variants) 185 **First flight** 1974
Comments Conversions for the Hiller UH12D and E models to turbine power. Combines features of Hiller with the Allison 250-C20B powerplant providing significant performance benefits.
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 305 shp
Dimensions main rotor 35.33 ft/10.77 m **Tail rotor** 5.55 ft/1.69 m
Height 10.08 ft/3.07 m **Length** 28.42 ft/8.66 m **Width** 4.9 ft/1.5 m
Empty weight 1,650 lbs/748 kg **Gross weight** 3,100 lbs/1406 kg
Useful load 1,450 lbs/658 kg **External** 1,200 lbs/544 kg
Vne 84 kts/155.57 kmh **Max cruise** 78 kts/144.46 kmh
Max rate of climb 1,706 fpm/420 mpm
HIGE 11,300 ft/3,444 m **HOGE** 8,700 ft/2,642 m
Service ceiling 14,000 ft/4267 m **S/E service ceiling** N/A
Std fuel 46 gal/174.13 lit **Max fuel** 86 gal/325.55 lit
Max range std fuel (no reserve) 159 nm/255 km
Range with opt fuel 274 nm/507 km
VFR Crew 1 **Passengers** 2
Standard avionics To customer specifications.
1984 base price ($ U.S.) Furnished upon request.
For more information contact Randy Furtick, Marketing Group Manager, Tim Koester, Sales Manager. (206) 754-7000

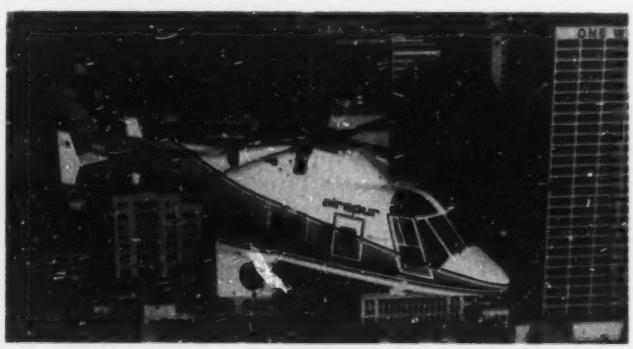
Manufacturer/Model Soloy Conversions,/Soloy-Hiller UH12E4
Total production (all variants) 12 **First flight** 1974
Comments Conversions for the Hiller UH12D and E models to turbine power. Combines features of Hiller with the Allison 250-C20B powerplant providing significant performance benefits.
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 305 shp
Dimensions main rotor 35.33 ft/10.77 m **Tail rotor** 5.55 ft/1.69 m
Height 10.08 ft/3.07 m **Length** 28.9 ft/8.8 m **Width** 4.9 ft/1.5 m
Empty weight 1,650 lbs/748 kg **Gross weight** 3,100 lbs/1406 kg
Useful load 1,450 lbs/658 kg **External** 1,200 lbs/544 kg
Vne 84 kts/155.57 kmh **Max cruise** 78 kts/144.46 kmh
Max rate of climb 1,463 fpm/466 mpm
HIGE 11,300 ft/3,444 m **HOGE** 8,700 ft/2,652 m
Service ceiling 14,000 ft/4267 m **S/E service ceiling** N/A
Std fuel 46 gal/174.13 lit **Max fuel** 86 gal/325.55 lit
Max range std fuel (no reserve) 159 nm/255 km
Range with opt fuel 274 nm/507 km
VFR Crew 1 **Passengers** 3
Standard avionics To customer specifications.
1984 base price ($ U.S.) Furnished upon request.
For more information contact Randy Furtick, Marketing Group Manager, Tim Koester, Sales Manager. (206) 754-7000



Manufacturer/Model Soloy Conversions, Soloy/Bell 47 (600 Series)
Total production (all variants) 160 **First flight** 1976
Comments Eleven models of the Bell 47G are convertible on Type Certificate 2H3. The conversion allows operators the benefits of turbine power at a reasonable cost. Data for 600 series shown.
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 265 shp
Dimensions main rotor 35.1 ft/10.5 m **Tail rotor** 5.10 ft/1.75 m
Height 9.3 ft/2.78 m **Length** 43.2 ft/12.96 m **Width** 7.5 ft/2.28 m
Empty weight 1,570 lbs/705.5 kg **Gross weight** 2,950 lbs/1,327.5 kg
Useful load 1,380 lbs/621 kg **External** 1,200 lbs/540 kg
Vne 91.5 kts/169 kmh **Max cruise** 91.5 kts/169 kmh
Max rate of climb 1,250 fpm/375 mpm
HIGE 16,000 ft/4,877 m **HOGE** 14,000 ft/4,267 m
Service ceiling 16,000 ft/4,877 m **S/E service ceiling** N/A
Std fuel 57.5 gal/218.5 lit **Max fuel** 97.5 gal/369 lit
Max range std fuel (no reserve) 230 nm/426 km
Range with opt fuel 410 nm/759 km
VFR Crew 1 **Passengers** 2
Standard avionics To customer specification.
1984 base price ($ U.S.) Furnished upon request
For more information contact Randy Furtick, Marketing Group Manager, Tim Koester, Sales Manager (206) 754-7000

Manufacturer/Model Soloy Conversions, Soloy/Bell 47 (900 series)
Total production (all variants) 23 **First flight** 1976
Comments Eleven models of the Bell 47G are convertible on Type Certificate 2H3. The conversion allows operators the benefits of turbine power at a reasonable cost. Data for 900 series shown.
Engine(s) (1) Allison 250-C20B **HP (takeoff)** 275 shp
Dimensions main rotor 35.1 ft/10.5 m **Tail rotor** 5.10 ft/1.75 m
Height 9.3 ft/2.78 m **Length** 43.2 ft/12.96 m **Width** 7.5 ft/2.28 m
Empty weight 1,570 lbs/705.5 kg **Gross weight** 3,200 lbs/1,440 kg
Useful load 1,630 lbs/733.5 kg **External** 1,200 lbs/540 kg
Vne 91.5 kts/169 kmh **Max cruise** 91.5 kts/169 kmh
Max rate of climb 1,250 fpm/375 mpm
HIGE 16,000 ft/4,877 m **HOGE** 14,600 ft/4,450 m
Service ceiling 16,000 ft/4,877 m **S/E service ceiling** N/A
Std fuel 57.5 gal/218.5 lit **Max fuel** 97.5 gal/369 lit
Max range std fuel (no reserve) 230 nm/426 km
Range with opt fuel 410 nm/759 km
VFR Crew 1 **Passengers** 2
Standard avionics to customer specification.
1984 base price ($ U.S.) Furnished upon request
For more information contact Randy Furtick, Marketing Group Manager; Tim Koester, Sales Manager (206) 754-7000

Manufacturer/Model Westland Helicopters Ltd./Westland 30 Series 100-60
Total production (all variants) 300 + w/Lynx **First flight** 1979
Comments The Westland 30 is a large-bodied variant of the successful proven inservice Lynx multirole helicopter.
Engine(s) (2) Rolls Royce Gem 60 **HP (takeoff)** 1,180 shp
Dimensions main rotor 43.67 ft/13.31 m **Tail rotor** 8 ft/2.44 m
Height 15.5 ft/4.72 m **Length** 46.67 ft/14.23 m **Width** 10.17 ft/3.1 m
Empty weight 7,295 lb/3,310 kg **Gross weight** 12,800 lb/5,806 kg
Useful load 5,505 lb/2,497 kg **External** 4,500 lb/2,042 kg
Vne 133 kts/246 kmh **Max cruise** 120 kts/222 kmh
Max rate of climb 2,400 fpm/731 mpm
HIGE 2,900 ft/884 m **HOGE** 2,900 ft/884 m
Service ceiling 12,500 ft/3,810 m **S/E service ceiling** 4,300 ft/1,310 m
Std fuel 348 gal/1,318 lit **Max fuel** 454 gal/1,719 lit
Max range std fuel (no reserve) 390 nm/716 km
Range with opt fuel 505 nm/935 km
VFR Crew 2 **Passengers** 17-19
Standard avionics Autopilot and 4-axis autostabilization, 1 VHF radio
1984 base price ($ U.S.) $2,123,000 (1/83 price)
For more information contact John K. Snelling (0935) 75222 ext. 3558



Manufacturer/Model Westland Helicopters Ltd./Westland 30 Series 200
Total production (all variants) 300 + w/Lynx **First flight** 1983
Comments The Westland 30 Series 200 is fitted with GE CT7 engines giving high installed power for operation in hot climates, and to provide single engine safety.
Engine(s) (2) GE CT7-2B **HP (takeoff)** 1,615 shp
Dimensions main rotor 43.67 ft/13.31 m **Tail rotor** 8 ft/2.44 m
Height 15.5 ft/4.72 m **Length** 46.67 ft/14.23 m **Width** 10.17 ft/3.1 m
Empty weight 7,875 lb/3,573 kg **Gross weight** 12,800 lb/5,806 kg
Useful load 4,925 lb/2,233 kg **External** 4,500 lb/2,042 kg
Vne 133 kts/246 kmh **Max cruise** 120 kts/222 kmh
Max rate of climb 2,400 fpm/731 mpm
HIGE 2,900 ft/884 m **HOGE** 2,900 ft/884 m
Service ceiling 12,500 ft/3,810 m **S/E service ceiling** 11,000 ft/3,352 m
Std fuel 348 gal/1,318 lit **Max fuel** 454 gal/1,719 lit
Max range std fuel (no reserve) 370 nm/686 km
Range with opt fuel 480 nm/889 km
VFR Crew 2 **Passengers** 17-19
Standard avionics Autopilot and 4-axis auto stabilization, 1 VHF radio
1984 base price ($ U.S.) $2,779,900 (1/83 price)
For more information contact John K. Snelling (0935) 75222 ext. 3558

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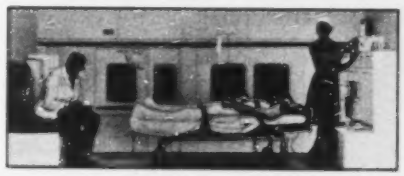
The Westland 30. Outside it's an aircraft. Inside, it's a space craft.

No other medium size helicopter matches its 460 cu. ft. of cabin space. None other has 70 cu. ft. of luggage room at the back.

That's why the Westland 30 can carry up to 17 people in the kind of comfort and style you'd normally associate with an airliner. In fact, unlike many other comparable helicopters, there's enough headroom for people to actually stand up and move around.

Even more remarkable, is the versatility of that space.



Within minutes, any or all of the 17 seats can be removed, leaving room for cargo, supplies or vital equipment.

The Westland 30 can be used as an air ambulance, taking up to six stretcher cases with medical attendants and full support systems.

Or it can be equipped as a luxurious VIP cabin to carry six to ten people in sumptuous style, complete with galley, toilet communications system and air conditioning.

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of the world's most testing flying environments. The semi rigid rotor system was developed to give stability, control and accuracy in even the most hazardous of flying conditions.

So if you're choosing a civil helicopter to give you reliability, versatility and spaciousness, choose the Westland 30.

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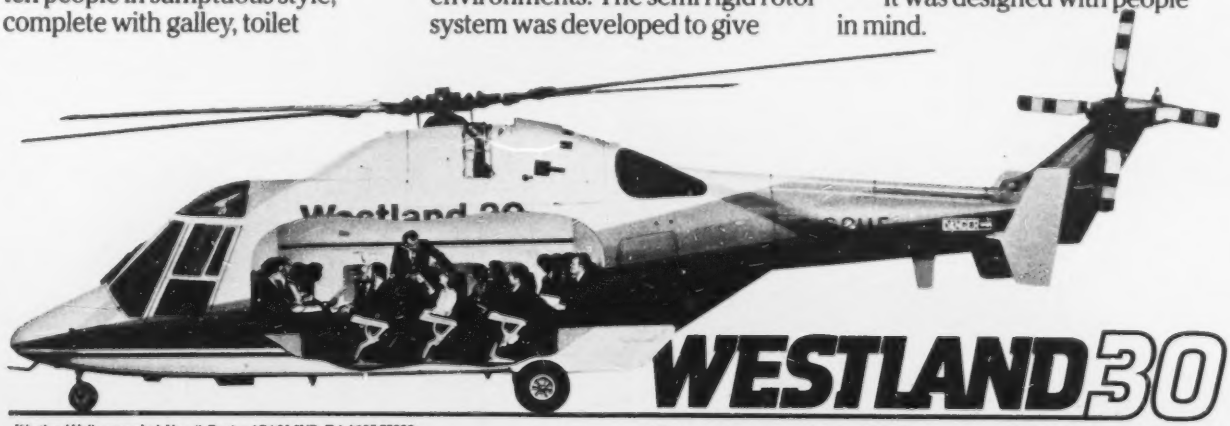

WESTLAND 30

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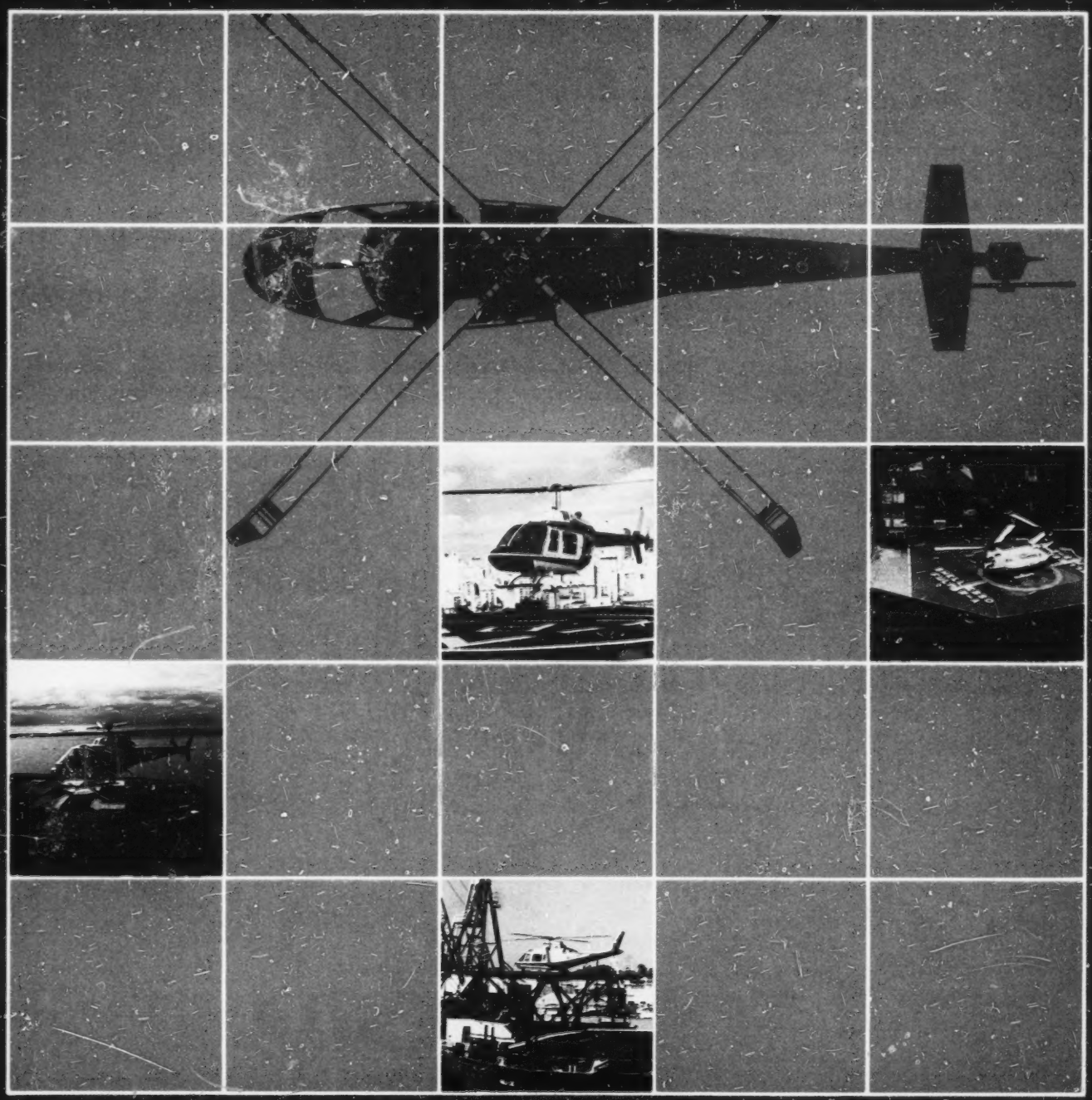
Westland Helicopters Ltd. Yeovil, England BA20 2YB Tel: (0935 75222.
Westland Inc. 1735 Jefferson Davis Highway, Arlington, Virginia 22202 Tel: (703) 486 8000.

Avionics specification guide



A comprehensive guide of data on avionics and flight control systems specificially suited to helicopters

The avionics directory has been designed to provide complete data on avionics and flight control systems specifically suited for use in helicopters.

The directory has been expanded to 27 equipment categories, now listed alphabetically within functional groupings. Prices shown are manufacturers' list, uninstalled and are current as of November 1984. Prices are subject to change based on model variations or capability enhancements.

The length of warranty is shown; however, specific coverage varies and should be confirmed by the manufacturer or dealer.

For complete and current information on any units shown, please contact the manufacturer. A directory listing is provided on page 44.

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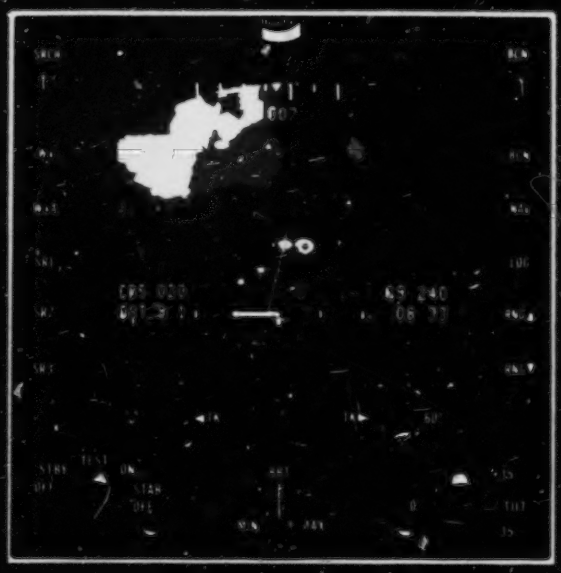
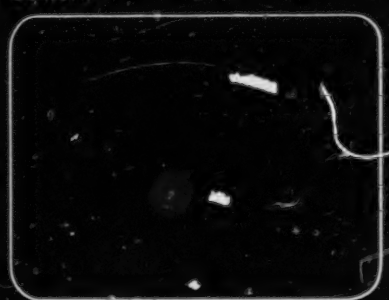
The User's Choice



RDR 1400C

Off-shore and special purpose operators rely heavily on their weather radar systems, and where beacon operation and short range capabilities are needed, more of them rely on the Bendix RDR-1400 than any other competitive system. The list of reasons is as long as the list of operators who use it. The RDR-1400 series has always been the most technically advanced radar in its class. It offers features and innovations that are unavailable in any competitive system. Features like Beacon Trac, three different search modes, sea clutter rejection, and short range operations down to less than .5 n.m.

We've just expanded the capability of the system by adding a beacon format feature which permits operation with either the current beacon code or the new DO-172 format, simply by pressing a single button.



Also standard in the RDR-1400 are two short range modes, providing range scales of 1 n.m. and .5 n.m. And for current operators of an RDR-1400 Colorvision system, Bendix will offer a retrofit kit to add the new features.

The RDR-1400 series has proven its superiority in head-to-head fly-off competition under actual operating conditions. To find out more, call the Bendix Literature Hotline at 1-800-621-1776 (in Illinois, 1-800-572-6724), or contact the Marketing Department at:

BENDIX GENERAL AVIATION
AVIONICS DIVISION
P.O. Box 9327
Fort Lauderdale, FL 33309

Bendix

The power of ingenuity

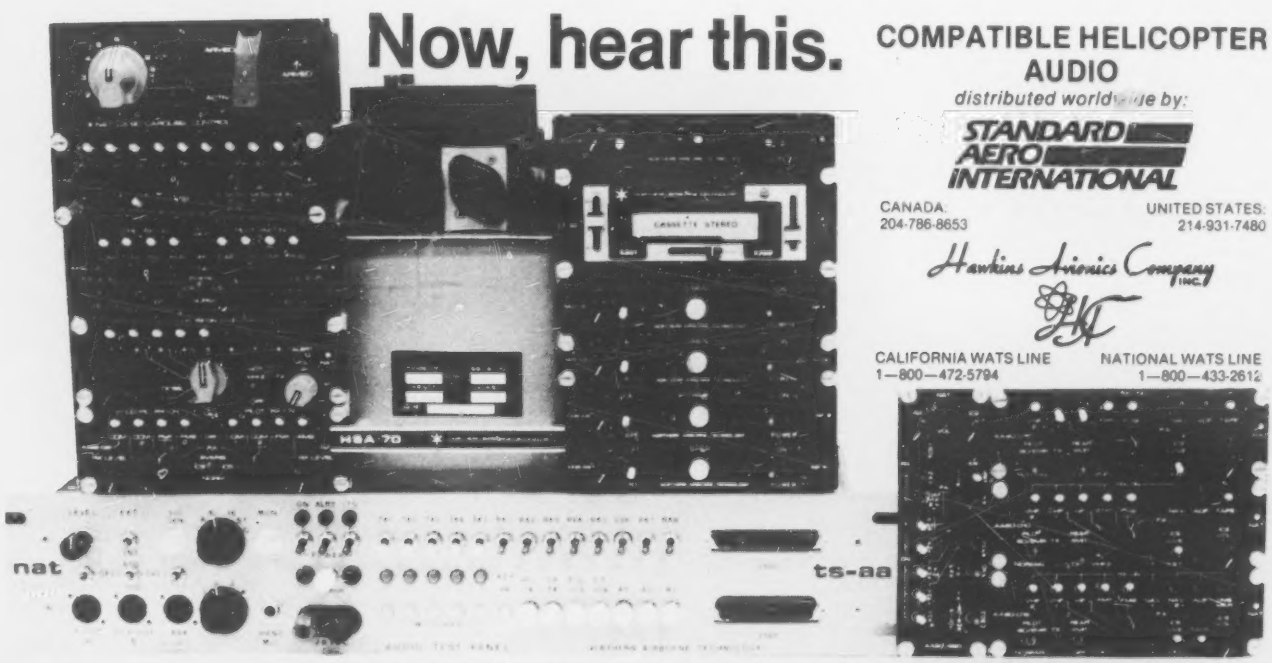
Avionics manufacturers' specification guide

Communications *Audio control panels*

Manufacturer/Model Price	Input (VDC/amps)	Features included	Type controls	Max. inputs	Weight/Panel size (H", W) (D)	Warranty	TSO	Remarks
Baker M1035 $1,730	27.5/2	Intercom, 8 mic sel, auto level & squelch for Rec'r inputs	Pushbutton	13	2.2/ 2.25/5.75/ 5.	2 yr	C50b	Functions customized to customer req.
Baker M1045 $2,420	27.5/2	Auto audio leveling, squelch for Rec'r inputs, intercom, 10 mic sel	Pushbutton	19	2.6/ 2.62/5.75/ 5.19	2 yr	C50b	Functions customized to customer req. UK CAA approved. Fr STNA approved
Bendix ACS-45A $3,320	18-33/2	Separate speaker/phone amp, MKB, mute	Pushbutton	10	2.6/ 3/5.7/5.5	2 yr	C50c	10 audio channels plus 3 unmuted inputs. 3 cabin ICS inputs. Self contained system
Collins AUD-250 $655	14, 28*/ 1.1 (14V)	Auto mike select	Switch	7	1.5/ 1.5/6.2/4.7	1 yr	C50b	*Adapter, $65
Collins AUD-250H $715	14, 28*/ 1.1 (14V)	HF mike & audio select	Switch	8	1.5/ 1.5/6.2/4.7	1 yr	C50b	For aircraft w/HF transceivers; *Adapter, $65.
Collins AUD-251H $580	14, 28*/ 1.5 (14V)	5 station intercom	Switch	8	1.5/ 1.5/6.2/4.7	1yr	C50b	Designed for use in helicopters; *Adapter, $65
Collins AMR-350 $895	14, 28*/ 1.0 (14V)	MKB	Switch	7	1.8/ 1.5/6.2/4.7	1 yr	C35d, C50b	Auto mike select; *Adapter. $65
Collins AMR-350H $1,035	14, 28*/ 1.0 (14V)	MKB, HF, mike & audio select	Switch	8	1.8/ 1.5/6.2/4.7	1 yr	C35d, C50b	For aircraft w/HF transceivers; *Adapter, $65
King KA 119 $710	28/0.3	5 or 28V panel lighting avail	Pushbutton	2 xmtrs, 7 rcvrs	0.9/ 2.25/5.75/ 5.15	1 yr p&l	C506	For use w/remote mounted audio amp KAA455, $2,415. Dzus rail mounted. Gray or black faceplate, HF input avail
King KA 134 $480	14, 28/ 0.8 (14V) 1.3 (28V)	Audio isolation & spk amp	Pushbutton	3 xmtrs, 5 rcvrs, 3 unswitched rcvrs	0.8/ 1.2/3.3/7.75	1 yr p&l	C506	Bit-in spk audio amp "Both" button allows monitoring of the unselected xcvr. No MKB
King KMA 24 $950	14, 28/1.9	Integ MKB rcvr & lites	Rotary xmit & pushbutton audio selectors	3 xcvrs, 5 add'l rcvrs, 2 unswitched	1.7/ 1.3/6.25/ 6.78	1 yr p&l	C35d, C506	Separate pushbutton for hdphn & spk selection; separate isolation amps for hdphn & spk input incl. Panel mounted
King KMA 24H $1,210	14, 28/1.6	Integ 5 station hot mike, keyed or vox intercom	Rotary intercom & xmtr & pushbutton audio selectors	5 intercom, 4 or 5 xmtrs, 5 or 6 rcvrs	1.7/ 1.3/6.25/ 6.81	1 yr p&l	C506	No MKB. Separate pushbuttons for hdphn & spk selection. Voice activated intercom
Narco CP-136 $850	14, 28/ 2.25, 1.75	Intercom capability, separate phone and speaker amps	Lighted pushbutton	12 inc 4 intercom	1.8/ 1.11/6.25/ 8.27	1 yr, 2nd yr opt	C50b	Auto feature on transmit selects proper receiver
Narco CP-136M $950	14, 28 2.25, 1.75	Intercom capability, separate phone and speaker amps	Lighted pushbuttons	12 inc 4 intercom	2.0/ 1.11/6.25/ 8.27	1 yr, 2nd yr opt	C50b	Auto feature on transmit selects proper receiver
Northern Airborne AA90 $1,895	28/.5	5 xcvr & PA outputs, 6 rcvr inputs, 6 sta ICS, 3 alert inputs, live or keyed ICS, PIL/OBS. Tx capab	Rotary tx sel/ toggle rx sel	13	2.0/ 1.87/5.75/9	1 yr	M.O.T. Approved	Available in single or multiple station versions. Multiple stations configured for EMS and ENG installations available.
Northern Airborne AA92 $2,695	28/.5	Indep pilot/observer, 4 xcvr & PA outputs, 6 sta ICS, plug comp w/AA90, live or keyed ICS, OAS acceptable	2 rotary tx sel/ 2 toggle rx sel	12	2.0/ 1.87/5.75/9	1 yr	M.O.T. approved	The AA92 is designed for forestry and other applications (airborne law enforcement) where the observer requires independent access to communications radios
Northern Airborne AA94 $3,100	28/.75	Indep pilot/observer, 6 station ICS, 5 xcvr & PA outputs, active xcvr annunciation, plug comp w/AA90	2 rotary tx sel/ 2 toggle rx sel	13	2.5/ 3/5.75/9	1 yr	M.O.T. approved	Same independent pilot/observer operation as the AA92 with added capability of NAV switching and active xcvr annunciation. Ideal for IFR or EMS applications.

Communications *Audio control panels (continued)*

Manufacturer/Model Price	Input (VDC/amps)	Features included	Type controls	Max. inputs	Weight/Panel size (H)(W)(D)	Warranty	TSO	Remarks
Northern Airborne AA95 $2,395	28/.75	5 xcvr & PA outputs, 6 xcvr inputs, 6 sta ICS, 3 alert inputs, live or keyed ICS, pilot/observer tx capability	Rotary tx sel/ toggle rx sel	13	2/ 1.87/5.75/9	1 yr	M.O.T. approved	Same as AA90 with additional capability of meeting strictest O.A.S. standards.
Northern Airborne AA20-030 $879	28/3 max.	Radio monitoring, swept and/or 2 tone siren	Toggle/ pushbutton	N/A	1.0/ .87/5.75/8	1 yr	M.O.T. approved	Exceptionally small, self contained 30 watt loudhailer/siren system.
Northern Airborne PA110 $699	28/4.5	100w power output	N/A	N/A	4.5/ N/A/6.4	1 yr	M.O.T. approved	Remote amp for external loudhailer system. Used in conjunction with AA20 for high power requirements.
Northern Airborne AA20-50/ PA110 $1,595	28/5	Internal/external PA/siren system	Toggle/ pushbutton	N/A	5.5/ .87/5.75/8 (+ PA110)	1 yr	M.O.T. approved	PA system designed for medium and heavy helicopters to provide both cabin PA and external loudhailer/siren functions in one system.
Northern Airborne AA20/ CT50-430 $1,550	28/2	Electronic chime, cassette tape playback	Pushbutton/ toggle/slide	N/A	3.0/ 3.37/5.75/9	1 yr	M.O.T approved	Standard cabin PA/entertainment system used on the Westland 30. CT50-430 may be used alone as entertainment system.
Northern Airborne HSA 70 T.B.A.	28/N/A	Voice advisory of all operating systems status	Rotary/toggle	40	10/ .87/5.75/8	1 yr	M.O.T. approved	Voice annunciation of all cockpit and flight data against real time. Optional data storage of cockpit and flight information for maintenance records.



Communications *HF transceivers*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	Frequency range (MHz) No. of channels	Type of tuning/SSB	Installation	Weight	Panel size (H) (W) (D)	Warranty/TSO	Remarks
Aircom 10/100 $3,367	28/.5/ 100	2-9/ 10	Crystal/ USB, LSB opt	Panel	5	2/6.25/11.5	1 yr/ No	Single unit panel mounted transceiver—no remote boxes required
Collins HF-200 $10,995	28/16.7/ 100	2.0-22.9999/ 20	Synthesizer/ Upper SB, AM	Remote	25	1.62/6.33/4.48	1 yr/ C31c, C32c	½-duplex, compatible w/maritime radiophone net; programmable chan; opt helicopter sys w/PAC-230 probe ant coupler,$11,845, 23.8 lbs.
Collins HF-220 $14,255	28/16.7/ 100	2.0-22.9999/ 210,000	Synthesizer/ Upper SB, AM	Remote	25.3	2.6/5.75/4.31	1 yr/ C31c, C32c	½-duplex, compatible w/maritime radiophone net; 16 add'l programmable chan; opt SELCAL compatibility; opt helicopter sys w/PAC-230 probe ant coupler, $15,105, 24.1 lbs
Collins HF-230 $13,150	28/16.7/ 100	2.0-29.9999/ 280,000	Synthesizer/ Upper SB, lower SB, AM	Remote	24.4	1.87/5.75/5.38	1 yr/ C31c, C32c	½-duplex, compatible w/maritime radiophone net; add'l chan: 40 operator programmable, 176 ITU radiophone programmed; opt SELCAL comp; opt helicopter sys w/PAC-230 probe ant coupler, $14,000, 23.2 lbs.
King KHF 950 $12,700	28V/15.9/ 37.5 (AM)*	2-30 MHz/ 99	Automatic/ LSB, AM, USB, phone	Remote, 3-box sys	20.2	2/5.75/7.7**	1 yr p&l/ Yes	**KCU-951 ctrl head. Choice of 2 panel-mounted ctrl heads. Price incl ctrl/disp unit, recvr/exciter & power amp/coupler. *150 watt output in SSB
King KHF 990 $13,510	28V/ 16.5 xmit/ 37.5 (AM)*	2-30 MHz/ 19	Automatic/ LSB, AM USB, phone	Remote. 3-box sys	21.8	2.35/2.193/5.5	1 yr p&l/ Yes	All 176 ITU maritime radiophone network chan programmed. 19 pilot programmable chan std Price incl ctrl/disp unit, recvr/exciter/power amp & coupler. *150 watt output in SSB

Communications *In-flight telephones*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	Receiver sensitivity (microvolts)	Control unit	Type of system Antenna	Weight	Warranty/TSO	Remarks
King KT 96 $1,965	14/3.0/ 10	12db S + N @ 1.0 uV (hard)	KT 96	Simplex/ KA55 incl/KA 46A (blade opt)	4.5 w/ handset	1 yr p&l/ Yes	Price incl ant & install kit. KA 115 handset opt. Can be used thru KING audio panels w/ or w/o handset installed. Panel mounted, 28V req opt converter. Handset $365 extra
Wulfsberg Flitefone VI $5,509	27.5/ 0.9 rx 0.4 tx/ 10 w	0.7 for 10 dB quieting	New cockpit control with choice of 2 handsets	Full duplex/ rod & ball or jetblade	10.7	1 yr/ N/A	Flitefone VI is the first phone capable of "Direct Dial" telephone calls, when connected through an automated ground station. Also will be able to handle manual as well as Direct Dial calls.

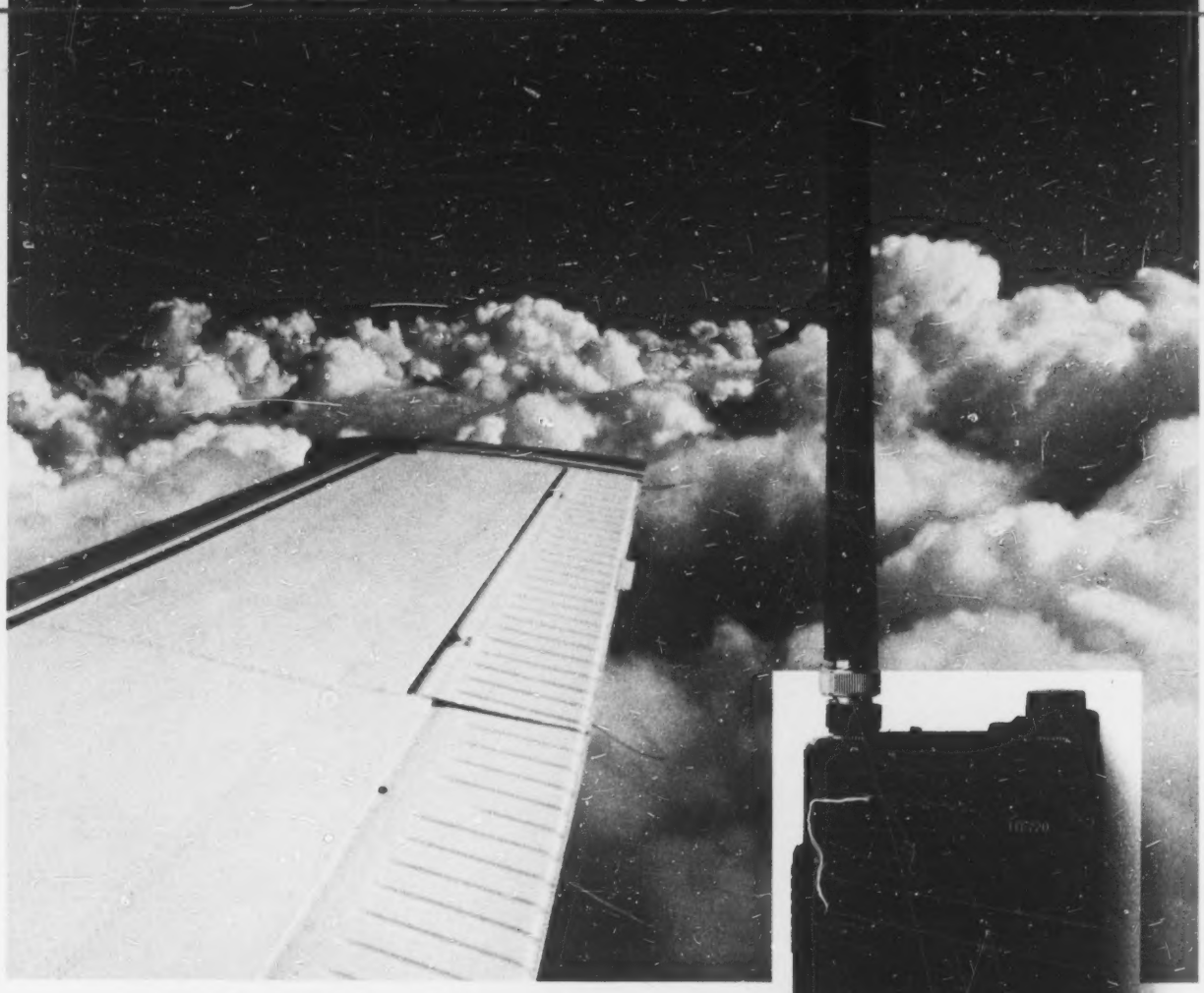
Communications *VHF transceivers*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	Frequency range No. of channels Spacing (KHz)	Features included	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix VCS-40A $7,200	13-33/.5/ 20w	118.-135.975/ 720/ 25 KHz	LCD disp, thermal protection, SELCAL & ACARS compatible	Remote	6.7/ 3.1/2.5/ 2.5	2 yr/ C73c, C38c	ARINC 429 interface Extended range tuning opt; Dichroic display opt.
Collins VHF-20A $8,175	28/6.5/ 20w	118.-135-975/ 720/ 25 KHz	2 storable channels, non-volatile memory; gas discharge display	Remote	6.8/ 3.13/2.5/ 6.5	1 yr/ C37b, C38b	CTL-20 electronic ctrl included; VHF-20B, 118.-151.975 MHz, $10,420
Collins VHF-21A $7,280	28/5.1/ 20w	118.-135.975/ 720/ 25 KHz	8 storable channels, non-volatile memory; gas discharge display	Remote	5.8/ 2.63/2.38/ 5.39	1 yr/ C37c, C38c	Directly repl VHF-20A; blt-in diagnos, 2x5, serial dig tuning; incl CTL-22 serial tuning ctrl; VHF-21B, 118.-151.975 MHz, $9,540

Communications *VHF transceivers (continued)*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	Frequency range No. of channels Spacing (KHz)	Features included	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Collins VHF-22A $7,280	28/5.1/ 20w	118.-135.975/ 720/ 25 KHz	8 storable channels, non-volatile memory; gas discharge display	Remote	5.8/ 2.63/2.38/ 5.39	1 yr/ C37c, C38c	Bit-in diagnos; 2x5, serial dig tuning; incl CTL-22 serial tuning ctrl; VHF-22B, 118.-151.975 MHz, $9,540
Collins VHF-251 $2,395	14, 28*/ 5.1 @14V/ 10w	118.-135.975/ 720/ 25 KHz	2 storable channels; incandescent filament display	Panel	3.4/ 2.61/3.12/ 12.45	1 yr/ C37b, C38b	Auto sq; self-test; store & recall of 2nd com freq; elect freq readout; opt broadband (VHF-251S), $2,595; *Adapter, $395
Collins VHF-253 $2,395	10-32/ 4.3 @14V/ 10w	118.-135.975/ 720/ 25 KHz	6 storable channels, EAROM non-volatile memory; LCD display	Panel	2.7/ 1.3/6.3/ 12.1	1 yr/ C37b	Rem freq mgmt; visible act & stndby freq + 4 stored presets; opt broadband (VHF-253S), $2,720
CSI TR-720 $795	9.6/.039 (rec)/ 1w	118.-135.975/ 720/ 25 KHz	Twist-off battery, 3 memory chan, FM noise squelch	Portable (handheld)	1.2/ 6.6/2.6/ 1.5	3 yr/ No	Synthesized, operates on all 720 COMM channels and 200 NAV channels, all accessories included.
King KY 92 $1,675	14 or 28/ 4.5/ 7	118.-135.975/ 720/ 25 KHz	Auto squelch	Panel	2.8/ 1.5/6.25/ 10.5	1 yr/ c37b, C38b	Crystal ctrl dig synthesized; *KA 39conv req for 28V operation, $220
King KY196 $2,375	28V/5/ 16	118.-135.975/ 720/ 25 KHz	Disp act & stby freq	Panel	3.2/ 1.3/6.25/ 14.6	1 yr/ C37b, C38b	Act & stby freq simultaneously disp w/non volatile memory. 9 Pilot-programmable chan for freq storage in non volatile memory. Opt ext freq range avail.
King KY197 $2,375	14V/6/ 7	118.-135-975/ 720/ 25 KHz	Disp act & stby freq	Panel	3.2/ 1.3/6.25/ 14.6	1 yr/ C37b, C38b	Act & stby freq simultaneously disp w/non volatile memory. 9 Pilot-programmable chan for freq storage in non volatile memory.
King KTR 908 $6,335	28V/7/ 20	118.-135.975/ 720/ 25 KHz	Disp act & stby freqs, KFS 598 dig ctrl hd; flip-flop of act & stby freq	Remote	4.3/ 5/1.7/11.8	1 Yr/ C37b, C38b	Opt KFS 593 gables ctrl hd; Remote flip-flop of freq. Opt VHF SELCAL capability avail. Opt cont head avail. For freq MSMT from KNS 660 and 9 Pilot-programmable chan for freq storage. Opt ext freq range avail.
King KTR 9100 $7,232	27.5/ .8rx/8.tx 25	118.-135.975/ 720/ 25 KHz	Auto squelch, Audio Leveling	Remote	13.0/ Std ARINC 1/2 ATR Sht case	1 yr/ p&l C37b, C38b Yes	Does not include control head. Mounting rack and connector $660.00
Martech 150-2A N/A	16.5/ 1w	121.5/123.1 2/ 25 KHz	Alkaline battery pack	Portable	3.3/ 11/3.5/1.5	1 yr No	Mounting bracket and floatation collar optional; self-contained microphone/speaker; waterproof
Martech 150-3A N/A	16.5 1w	121.5/123.1 2/ 25KHz	Water-activated battery pack	Portable	2.3/ 9.75/ 3.5/1.5	1 yr No	Mounting bracket and floatation collar optional; self-contained microphone/speaker; waterproof
Martech 150-4A N/A	12.5 1w	VHF/UHF 4/ 25KHz	Alkaline battery pack	Portable	2.3/9.75/ 3.5/1.5	1 yr/ N/A	Mounting bracket and floatation collar optional; self-contained microphone/speaker; waterproof
Narco COM-120 $2,195	14 or 28*/ 10 nom	118.-135.975/ 720/ 25 KHz	Auto squelch, bit-in intercom	Panel	3.5/ 1.75/6.25/ 11	1 yr, 2 yr opt C37b, C38b	Tx indicator lamp, mike & audio leveling, *28V req converter MP-10
Narco COM-120/20 $2,295	14 or 28*/ 20	118.-135.975/ 720/ 25 KHz	Auto squelch, bit-in intercom	Panel	3.8/ 1.75/6.25/ 11	1 yr, 2 yr opt/ N/A	Tx indicator lamp, mike & audio leveling, *28V req converter MP-20
Narco COM-810 $2,150	14/.7 8 nom	118.-135.975/ 720/ 25 KHz	Displays active & standby freq	Panel	2.9/ 1.5/6.25/ 11	1 yr, 2 yr opt C37b, C38b	Built-in intercom, remote transfer of active & standby freq
Narco COM-811 $2,150	28/3 8	118.-135.975/ 720/ 25 KHz	Displays active & standby freq	Panel	2.9/ 1.5/6.25/ 11	1 yr, 2 yr opt C37b, C38b	Built-in intercom, remote transfer of active & standby freq
Narco HT-800 $695	9.5V/ 2 w	118.-135.975/ 720/ 25 KHz	LCD display, keyboard entry, 10 freq storage	N/A handheld	1.25/ 6.75/2.75 2	1 yr, 2 yr opt No	Incl NiCad battery, antenna, wall charger & earphone. Add'l accessories avail
Wulfsberg RT-118 $3,863	27.5/ .9 rx, .65 tx 20w	118-138 MHz/ 800/ 25 KHz	30 pre-prog chan when used with C-1000 ctrl head	Remote RT w/std DZUS width control head	5.6/ 2.35/5.75/ 4.3	1 yr p&l/ C37b, C38b	N/A
Wulfsberg WT-200B $3,863	27.5/ .9 rx, .65 tx 20w	118-151.975 1,360/ 25 KHz	N/A	Remote RT, Panel-mounted control head	5.6/ 5/2.87/ 13.25	1 yr p&l	Compatible with any ARINC 2 out 5 tuning code

PLANE TALK . . .



. . . . . 720 Channel Featherweight Portable

The TR-720 contains the latest microprocessing technology which is responsible for its amazing size (6.6" x 2.6" x 1.5") and weight (1.2 lb.). Features include 3 memory channels, 720 COM and 200 NAV channel operation, twist-off rechargeable battery pack, and multi-function LED to indicate receive signal or low battery. A full set of standard accessories including rechargeable battery, AC and DC chargers, case, flex antenna, and earphone put you straight on the air. Optional accessories are available.

The TR-720 increases the operating safety of balloons, sailplanes, and ultralights by providing communication with ground crews or ATC. It allows receipt of IFR clearances prior to engine start and is indispensible for search and rescue, forest fire fighting, or law enforcement to coordinate aircraft operations. Sport aircraft, homebuilts, or experimental planes (even those without electrical systems) can now have reliable 720 channel communication. But perhaps the best advantage is the peace of mind that comes from having an emergency back-up transceiver.

The TR-720 comes with a full 1 year warranty with guaranteed 72 hour turnaround and is available for immediate delivery factory direct or from your local Avionics Dealer or FBO.

The TR-720, rugged, reliable communications in the palm of your hand.

$795.00 Aircraft Owners Net
FCC and DOC Approved

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Communications Specialists
426 West Taft Avenue
Orange, CA 92665-4296
(800) 854-0547 (714) 998-3021

Communications *VHF/FM mission control transceivers*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	Frequency range Spacing (KHz)	No. of channels	Features included	Component independence	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Wulfsberg RT-15 $2,490	27.5/1.2 rx 13.5/3.6 tx 10w	142-173.995 MHz 25 or 30 KHz	6	N/A	N/A	Remote	5.9/ 5/3.5/10.5	1 yr	N/A
Wulfsberg RT-16B $2,590	27.5/.7 rx 13.5/2.2 tx 10w	450-512 MHz 25 KHz	16	N/A	N/A	Remote	5.9/ 5/3.5/10.5	1 yr	N/A
Wulfsberg RT-19 $2,344	27.5/1.2 rx 13.5/3 tx 10w	29.7-49.99 MHz 20 KHz	6	N/A	N/A	Remote	5.9/ 5/3.5/10.5	1 yr	N/A
Wulfsberg RT-30 $3,690	27.5/1 rx 2.4 tx 10w	29.70-49.99 20 KHz	2,030	N/A	N/A	Remote RT with C-1000 control	7.5/ 2.35/5.75/ 4.3	1 yr N/A	Pre-program 30 frequencies. All 32 standard EIA tones standard in RT.
Wulfsberg RT-138 $3,548	27.5/1 rx 2.2 tx/ 10w	138-173.9975 2.5 KHz	14,400	N/A	N/A	Remote RT with C-1000 control	7.5 2.35/5.75/ 4.3	1 yr N/A	Pre-program as many as 30 frequencies. All 32 standard EIA tones standard in RT
Wulfsberg RT-450 $4,090	27.5/1 rx 2.2 tx 10w	450-470 MHz 12.5 KHz	1,600	N/A	N/A	Remote RT with C-1000 control	7.5 2.35/5.75/ 4.3	1 yr N/A	Pre-program as many as 30 frequencies. All 32 standard EIA tones standard in RT
Wulfsberg RT-7200 w/ 722A and install kits $6,209	27.5/1.5 rx 5.5 tx/ 10w	138-174 MHz 5 KHz	7,200	N/A	N/A	Remote mounted	9.3/ 5.19/5/ 12.58	1 yr N/A	Eight CTCSS tones avail. Control head C-722A
Wulfsberg RT-9600 w/C962A and install kits $6,089	27.5/1.5 rx 5.5 tx/ 10w	150-174 MHz 2.5 KHz	9,600	N/A	N/A	Remote mounted	9.3/ 5.19/5/ 12.58	1 yr N/A	Eight CTCSS tones avail. Control head C-962A
Wulfsberg C-1000 $1,960	N/A	N/A	N/A	FM transceiver control head	N/A	N/A	2.6 3/5.75/ 7.5	1 yr N/A	Ability to thumbwheel control all of the available Flexcomm channels (RT-30, RT-138, RT-450 and RT-118)

Directory of manufacturers' contacts

For additional information on avionics listed in this section, call the manufacturers' contacts shown below:

Aeronetics
Ann Baldwin
312-437-9300

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Irene Foxton
503-393-2550

Astronautics
Dan Bitton
414-447-8200

Aviation Instrument (AIM)
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Joe O'Rendy
805-378-2000

Martech
Jack Chapdelaine
305-463-3451

Narco
Pat Millard
215-643-2900

Northern Airborne
Dan Wheeler
604-562-2232

Offshore Navigation
Bill Marchal
504-733-6790

Sensor
Mary Bazar
818-341-5366

SFENA
Stephen Williams
214-988-8000

SFIM
Thomas Maltby
213-995-3655

SGC
Pierre Goral
206-746-6310

Sperry
John Dietrich
602-863-8000

3M Stormscope Systems
David Heaton
614-885-3310

II Morrow
Michael Duff
503-581-8101

Teledyne
Virgil Romiti
818-886-2211

Texas Instruments
Gary Howe
214-462-5220

Tracor
Sam Hewitt
805-967-4571

Universal
Charles Edmonson
213-325-4081

Wulfsberg
J. Hanslip
913-492-3000

Flight control *Autopilots*

Manufacturer/Model Price	STC (s)	Stabilized in	Command turn/Preselect Tracking	Flight director interface	Single pilot IFR certification	Weight	Warranty	TSO	Remarks
Astronautics P/N 131500 On request	500D 500E	Roll Pitch Yaw	Yes Yes No	No	No	N/A	1 yr or 1,000 hrs	Yes	Modes include hover, altitude hold and heading hold in cruise and hover
Astronautics P/N 131500-9 On request	500D 500E	Roll Pitch Yaw	Yes Yes Yes	No	No	N/A	1 yr or 1,000 hrs	Yes	Modes include altitude hold, hover, heading hold, nav coupling to VOR/ILS, Loran, etc
SFENA FCS 200B $34,835- $57,085	206B series	Roll Pitch Yaw	Yes Yes Yes	Yes	Yes	37-50	1 yr	Yes	Yaw channel opt; system includes force trim.
SFENA FCS 200L $41,940- $64,190	206L series	Roll Pitch Yaw	Yes Yes Yes	Yes	Yes	40-50	1 yr	Yes	Yaw channel opt; systems includes force trim.
SFENA FCS 90 $49,850- $75,580	222UT series	Roll Pitch Yaw	Yes Yes Yes	Yes	Yes	45-60	1 yr	Yes	Yaw and collective channels optional; IFR kit available for $7,983
SFIM AP 137 On Request	SA 330	Roll Pitch Yaw	No	Yes	No	20	1 yr or 1,000 hrs	Yes	Modes includes altitude, turn coordination
SFIM AP 155D On Request	AS 365N	Roll Pitch Yaw	Hdg	Yes	Yes	45	2 yr or 2,000 hrs	Yes	Duplex, fail passive, fail operational integrated preflight test
SFIM AP 155P On Request	AS 332	Roll Pitch Yaw	Hdg	Yes	No	21	1 yr or 1,000 hrs	Yes	Duplex, fail passive, fail operational integrated flight test standard on AS 332
SFIM AP 85E3 On Request	AS 350	Roll Pitch Yaw	Hdg	No	No	15	2 yr or 2,000 hrs	Yes	Modes include altitude, A/S Hdg select, turn coordination
SFIM AP 85T31 On Request	AS 335 AS 350	Roll Pitch Yaw	Hdg	No	No	40-50	2 yr or 2,000 hrs	Yes	Modes include altitude, A/S Hdg turn-coordination . Two axis version available

Flight control *Flight directors*

Manufacturer/Model Price	Input (VDC/amps)	Features included	STC (s)	Display type/HSI Autopilot interface	Single pilot IFR/installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Astronautics P/N 131810 On request	115VAC, 400 Hz	2 Cue F/D; hdg hld, VOR/ILS, BC, alt hld, GS, RNAV, standby & go-around	S-76	ADI 5"/ HSI 5"/ No	No/ N/A	4/ 3/3/N/A	1 yr or 1,000 hrs/ Yes	Computer & mode select panel is in one unit & is panel mounted. Cyclic pitch & roll
Astronautics P/N 129855 On request	115VAC, 400 Hz	3 Cue F/D; hdg, VOR/ILS, man & auto decel, AS hld, alt hld, RNAV, descent, & go-around	S-76	ADI 5"/ HSI 5" No	No/ N/A	6/ 3/3/6	1 yr or 1,000 hrs	Cyclic pitch & roll, collective pitch
SFENA FDS 90 $25,575- $38,940	28/1	Digital; tracks/captures HDG, V/L, BC, ALT, GS, IAS, DC*	206L ser, 206B ser, 222UT ser	4" ADI, 3 cue/any/ Yes	Yes/ Panel	5.5-ADI 2.9-Cntrlr 4/4/9.2/ 3/3/9.2	1 yr/ Yes	*DC- decelleration available with 222UT only

Flight control *Integrated flight control systems*

Manufacturer/Model Price	STC (s)	Single pilot IFR Command turn	Stabilization in	Preselect capability	Tracking capability (modes)	Flight director interface	Weight/Warranty/TSO	Remarks
SFENA FCS 200/ FDS 90 $73,775- $90,075	206B series, 206L series	Yes/ Yes	Roll, pitch, yaw	Yes	HDG, V/L, BC, ALT, GS, VS, IAS	Yes	65/ 1 yr/ Yes	Yaw channel opt, single pilot IFR opt; IFR appx. $32K
SFENA AFCS 90 $75,425- $92,175	222UT	Yes/ Yes	Roll, pitch, yaw	Yes	HDG, V/L, BC, ALT, GS, VS, IAS, DC*	Yes	55/ 1 yr/ Yes	Yaw and collective channels opt, single pilot IFR avail for $7,983. *DC-decelleration avail with 4-axis only.
SFIM AFCS 155 On Request	AS 332 AS 365N	Yes/ Yes	Roll, pitch, yaw, collective	HDG, CRS, VS, IAS, rad alt, hov ht	HDG, AS, ALT, VS, VL, PC, GS, HOV, NAV, radalt, go-around, fly up	Yes	65/ 90 day/ Yes	AP 155 along with digital 4-axis FDC 155, or FDC 85 if fourth axis not required, FDC 85 P4 for CAT II approaches
SFIM AFCS T31 On request	AS 355	Yes/ Yes	Roll, pitch, yaw	HDG, CRS, VS	HDG, AS, ALT, V/S, VL, BC, GS, NAV, turn coordination, go-around	Yes	30/ 2 yr/ Yes	N/A
Sperry SHZ 109-2 Varies w/inst	AB 109, AB 109-2	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV/, ALT, A/S	HZ-464/ FZ-702	Varies/ 1 yr/ Yes	TC by Agusta
Sperry SHZ-212-2 Varies w/inst	Bell 212	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	GH-206/ FZ-702	Varies/ 1 yr/ Yes	STC held by Associated Air Ctr
Sperry SHZ-212-3 Varies w/inst	Bell 212	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT, VLF Omega	GH-206/ FZ-702	Varies/ 1 yr/ Yes	Retrofit kits avail: STC by Sperry. Incl auto-trim
Sperry SHZ-222 Varies w/inst	Bell 222	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	GH-14/FZ-702	Varies/ 1 yr/ Yes	TC by Bell
Sperry SHZ-350D Varies w/inst	AS-350D	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	GH-14/FZ-702	Varies/ 1 yr/ Yes	Retrofit: Kits avail; STC by Sperry
Sperry SHZ-355F Varies w/inst	AS-355F-1	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	GH-14/ FZ-702	Varies/ 1 yr/ Yes	Retrofit kits avail: STC by Sperry
Sperry SHZ-360 Varies w/inst	SA-360	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	GH-14 or AD-650/FZ-702	Varies/ 1 yr/ Yes	STC by Aerospatiale
Sperry SHZ-365C Varies w/inst	SA-365C	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	AD-650/ FZ-702	Varies/ 1 yr/ Yes	STC by Heliflight
Sperry SHZ-412 Varies w/inst	Bell 412	Yes/ Yes	Roll, pitch, yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT	GH-206/ FZ-702	Varies/ 1 yr/ Yes	TC by Bell
Sperry SHZ-760 Varies w/inst	S-76	Yes/ Yes	Roll, pitch yaw	HDG	HDG, VOR, LOC, GS, Loran, RNAV, VLF Omega, A/S, ALT	AD-650/ FZ-702	Varies/ 1 yr/ Yes	STC by Heliflight
Sperry SPZ-7000 Varies w/inst	SA-365N; S-76 *Bell222UT	Yes/ Yes	Roll, Pitch, yaw, collective	HDG, ALT, A/S, V/S	HDG, VOR, LOC, GS, Loran, RNAV, A/S, ALT, VLF Omega	AD650; EFIS/ FZ-700	Varies/ 1 yr/ Yes	Dig, 4-axis sys; retrofit kits avail; STC's by Sperry, EFIS optional *Certification due 10/84

Electronic flight instrument systems *Display units*

Manufacturer/Model Price	Input (VDC) Power (watts)	Display type	Required maintenance interval	External fans	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix -ED102A $16,430	18-33/ 55	Shadow Mask Color CRT	N/A	Not required	14/ 6.25/ 6.25/14	2 yr/ Yes	Units electrically interchangeable, MFD displays differ only in size, dual stroke/raster provides solid symbols and bright displays, dispatch capability with single component failure.
Bendix -ED102B $15,270	18-33/ 45	Shadow Mask Color CRT	N/A	Not required	10/ 5/6/14	2 yr/ Yes	Units electrically interchangeable, MFD displays differ only in size, dual stroke/raster provides solid symbols and bright displays, dispatch capability with single component failure.
Bendix -ED102C $12,250	18-33/ 45	Shadow Mask Color CRT	N/A	Not required	9/ 4.8/5.1/ 10.7	2 yr/ Yes	Units electrically interchangeable, MFD displays differ only in size, dual stroke/raster provides solid symbols and bright displays, dispatch capability with single component failure.
Bendix -ED102D $12,250	18-33/ 45	Shadow Mask Color CRT	N/A	Not required	9.5/ 4.8/5.1/ 10.7	2 yr/ Yes	Units electrically interchangeable, MFD displays differ only in size, dual stroke/raster provides solid symbols and bright displays, dispatch capability with single component failure.
Collins EFD 74 $6,520	28/ 26	CRT	N/A	Not required	4.7/ 4.175 sq	1 yr/ C6c, C40b, C52a	Also requires HCP 74 control, $915, .51 lb, 5.75" W × 1.5"H, powered from HPU 74.
Sperry ED-600 On request	28/ 63 max	High resolution CRT	N/A	Recommended	9/ 4.7/5.1/ 10.4	Standard/ Yes	N/A
Sperry ED-800 On request	28/ 63 max	High resolution CRT	N/A	Recommended	10/ 5.1/6.1/ 10.4	N/A	N/A

Electronic flight instrument systems *Symbol generators*

Manufacturer/Model Price	Input (VDC) Power (watts)	NTSC/FLIR interface	Video outputs per SG	Aircraft specific software required	External fans	Mounting	Weight/Size (H) (W) (D)	Warranty/TSO	Remarks
Bendix -SG101A $22,550	18-33/ 95	Yes	5	No	Not required	Front	12.5/ 8/6/11	2 yr/ Yes	ARINC 429 interface. Software certification industry's most advanced.
Bendix -SG101B $24,730	18-33/ 95	Yes	5	No	Not required	Rack/DPX	13.0/ 8/6/12.62	2 yr/ Yes	ARINC 429 interface. Software certification industry's most advanced.
Collins HPU 74 $11,850	28/ 26	No	3 (R, G, B)	No	Not required	Collins UMT 13	4.3/ 4.9/3.3/12.47	1 yr/ C6c, C40b, C52a	N/A
Sperry SG-705 On request	28/ 70 max	No	2	No	Not required	Tray	16.9/ 7.6/4.9/ 15.8	Standard/ Yes	N/A

Navigation *Area navigation systems*

Manufacturer/Model Price	Input (VDC/amps)	Frequency range No. of channels	No. of waypoints/ Waypoint entry/ Max nm	Type display	VOR/DME integration	Extra functions	Interface	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix NMS-46 $17,240	18-33/1.5	VOR/DME interface	200/ Alpha/ numeric keyboard	CRT	Yes & Omega/VLF	Rt storage, worldwide VOR data base, self prompting sys	429	9.8/ 4.5/5.7/6.5	2 yr/ N/A	ARINC 429 digital interface. LAT/LON ref to nav great circle rts. Compat w/vandling NDB-2 sys V-Nav, std
Collins ANS-351 $3,895	14, 28/ 1.3 @ 14V	VOR/DME interface	8/ Dial/ 199.9	Light bar	VOR w/video output; 40 mv/nm analog DME	Gnd spd, time to WP, enroute appr modes	AP, HSI, RMI (built in VOR converter)	3.3/ 1.75/ 6.25/12.25	1 yr./ C36c	Pos check briefly returns sys to raw data; digital brg TO/FR WP on VIR-351
Foster RNAV511 $1,900-$3,500	14-28/ 0.5	VOR/DME Interface	2/ Thumbwheel	Incand filament	Yes	Digital present position readout	Virtually all NAV & DME	3.5/ 2.37/ 6.25/8.45	1 yr N/A	Digital bearing to WP disp; dig pres pos disp. Gnd spd option avail
Foster RNAV512 $6,900-9,500	11-32/ .33	VOR/DME Interface	5/ Knob	Incand filament	Yes	Range monitor std, Auto WP Blt/in TSO'd VOR/LOC Conv	All NAV & DME	3/ 3-ATI 10.04	1 yr/ C36c C40a	NAV 1/NAV 2 switching; Pres pos disp; slant rng corr; RMI drive
Foster RNAV612A $4,550-$7,150	11-32/ .33	VOR/DME Interface	4/ Knobs	Incand filament	All VOR & DME/ Yes	Blt/in TSO'd VOR/LOC Conv	All VOR/DME	3/ 3-ATI/ 10.04	1 yr/ C36c, C40a	NAV 1/NAV 2 switching; Pres pos disp, slant rng corr; RMI drive
King KNR 665A $18,210	28V/2.5	199.1/ 200	10/ Pushbutton	HSI, dig gas discharge	Incl nav, GS req KDM 706 DME, KPI 552 or 553A HSI	Gnd spd, TTW, auto course, stores in & outbound hdg	FD, AP, HSI	13.9/ 5/5.5/11.7	1 yr/ C34c, C40a, C36c	Sys incl KCU 565A ctrl disp & battery pack
King KNS 80 $6,425	14 or 28V/ 2.1 (14), 1.1 (28)	199/ 200	4/ Rotary, pushbutton	Dig, gas discharge, CDI, HSI	Incl nav, GS & DME	Gnd spd & time to WP, DME hld	FD, AP, HSI	6/ 3/6.25/12	1 yr/ No	VOR parallel & RNAV appr mode; incl 200 chan nav, 40 chan GS, 4 WP RNAV, 200 chan DME
King KNS 81-10 $6,505	14 or 28V/ 1 (14), .5 (28)	108/117.95 200	10 incl freq/ Rotary, pushbutton	Dig, gas discharge	Incl nav & GS, req KN63, KDM706 or KN62A DME	Disp all WP parameters simult, radial from WP or VOR	FD, AP, HSI	5/ 2/6.3/11.5	1 yr/ Yes C34c, C36c, C40a	VOR parallel mode, optional interface W/KGR356, $310. add'l
King KNS 81-30 $8,165	14 or 28V/ 1 (14), .5 (28)	199.9/ 454	10/ Rotary, pushbutton	CDI, HSI, dig, gas discharge	Incl VOR & GS, req KTU 709 Tacan	Disp all WP parameters simult disp radial from VOR or WP, also can use Tacan for brg input	FD, AP, HSI	5/ 2/6.3/11.5	1 yr/ C34c, C36c, C40a	Operates using either VOR or Tacan brg; model compat w/KGR radar graphics, $215 xtra
Narco RNAV-860 $1,995	14, 28/ 1.2, .7	VOR-DME interface	2/ Thumbwheel	Digital incand	Narco only, DME-890, IDME-891, NAV 824/825, MK-12D	Brg to WP, dist to WP, gnd spd, time to WP, AC pres pos	HSI, FD, AP	2.7/ 2.27/6.25 8.75	1 yr; 2 yr opt/ No	All panel mounted; no remote boxes
Narco NS-801 $2,995	14, 28/ 1.2, .6	108-117.95/ 200	8/rotary-pushbutton	Gas dis, CDI, HSI	incl VOR and GS	Auto load of pres pos, non-vol memory	HSI/ IDME-891/ AP, FD	2.9/ 2.25/6.-38/11	1 yr; 2 yr opt/N/A	Interfaces w/Narco DME-190,195,890, IDME-891 and King KN-64,KN-62A

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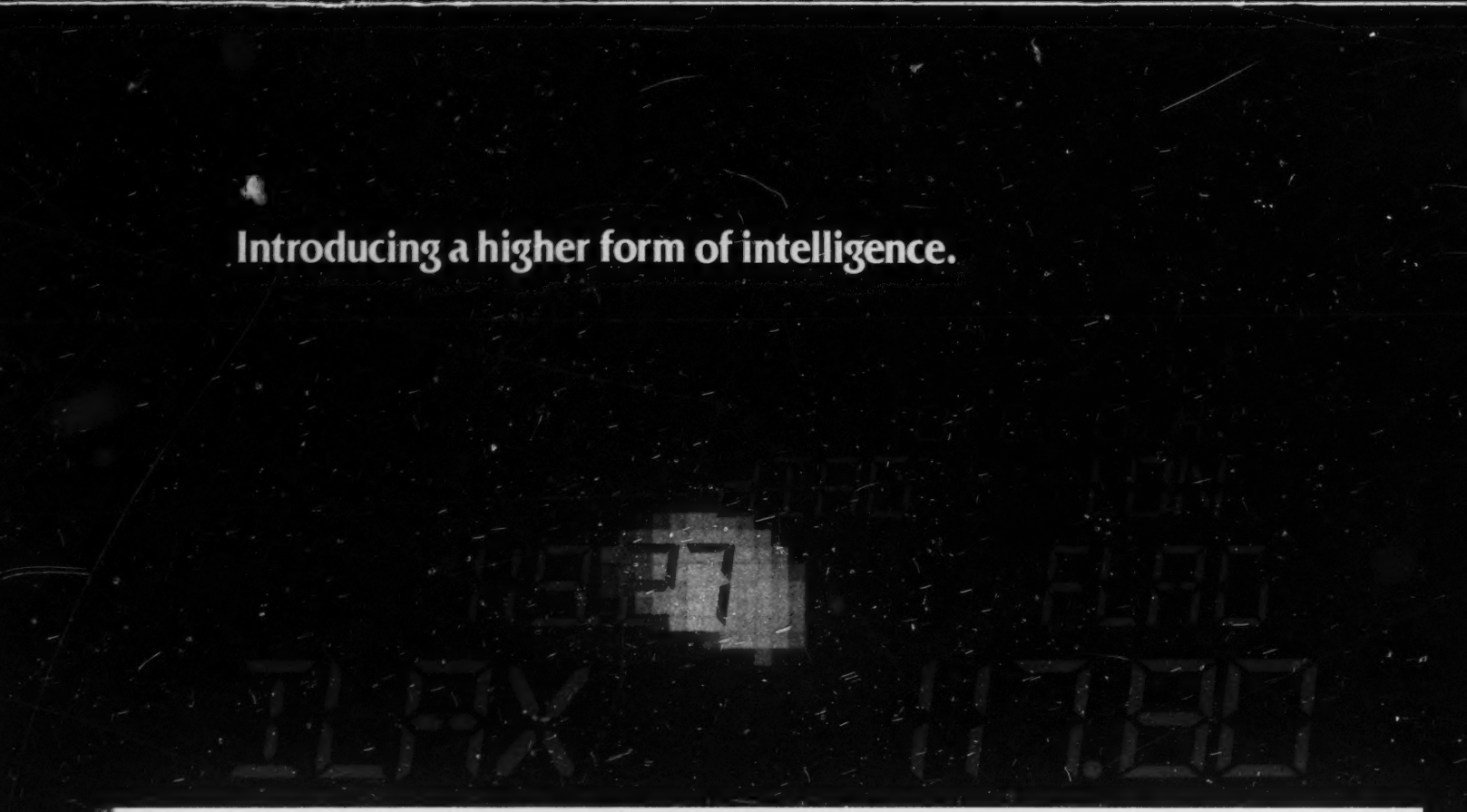

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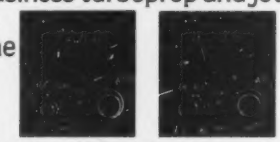

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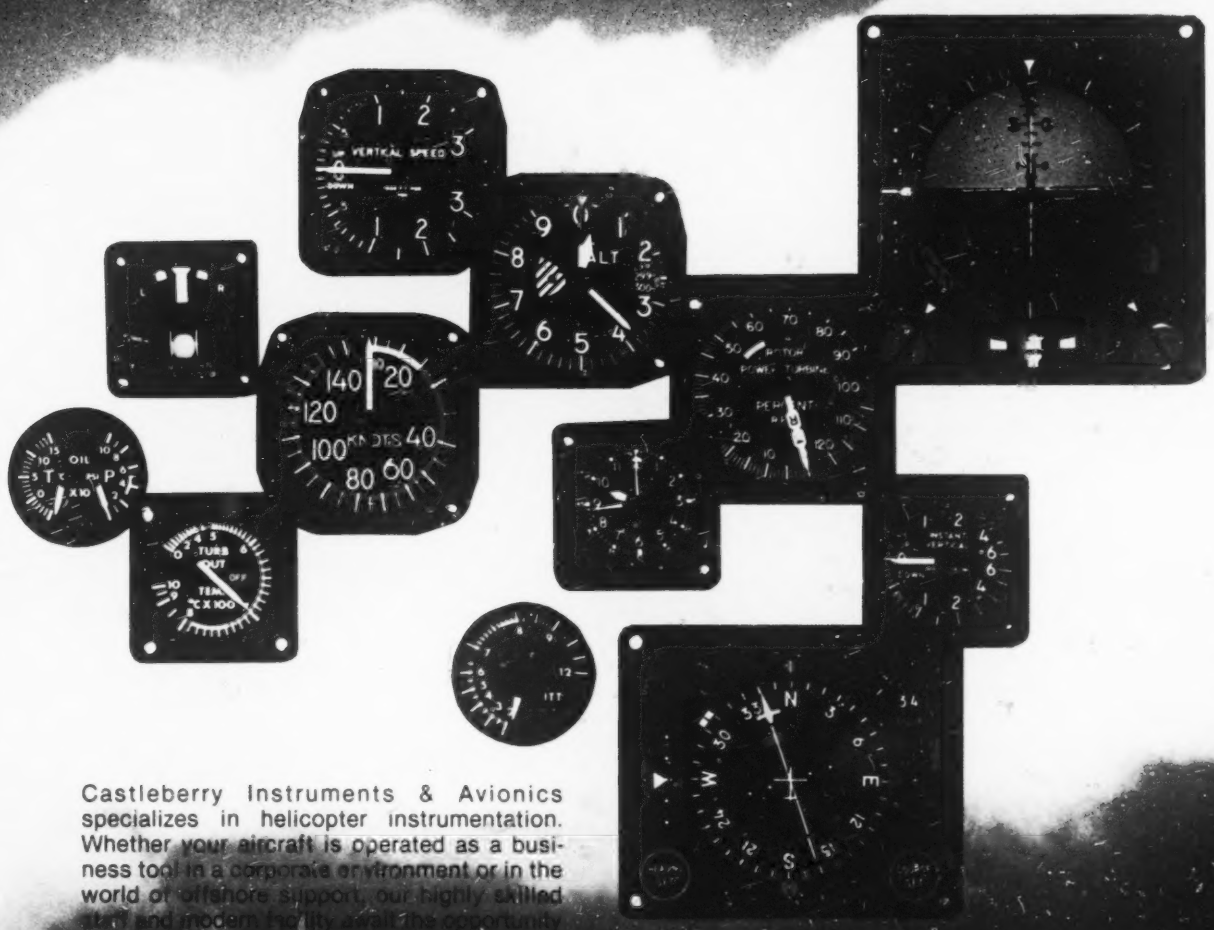

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Navigation *Automatic direction finders*

Manufacturer/Model Price	Input (VDC/amps)	Frequency range (KHz) No. of bands	Type of tuning	Features included	Display features	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix DFS-43A $8,960	18-33/ .6	190-1860/ .5 KHz spacing	Gray code/ ARINC 429	ADF l-r steering to HSI	Dig brg, LCD-disp	Remote	11.9/ 3.1/2.5/2.5	2 yr/ C41c	Combined low-drag ADF loop & sense antenna Dichroic display opt.
Collins ADF-60A $8,250	28/.6	190.0-1749.5/ 6	Digital	Stores 2 chan, non-volatile memory; gas/disp	N/A	Remote	8.7/ 3.13/2.5/6.5	1 yr/ C41C	Coherent detection; combined loop-sense ant incl (ANT-60A); dual ant opt (ANT-60B); 3-wire or sin/cos RMI output avail; incl CTL-60 electronic ctrl; opt CTL-62 w/CAD-62 adapter for serial dig tuning & 6 stored chan
Collins ADF-650A $2,695	14, 28*/ 1.0 (14V)	200-1799/ N/A	Digital, continuous	N/A	Rotating azimuth, int light	Panel	6.0/ 1.75/6.25/ 10.8	1 yr/ C41c	Incl ANT-650A combined loop-sense ant & IND-650A indicator; *Adapter, $65
King KR 86 $2,145	14/28*/ .5	200-1750/ 3	Mechanical	Blt-in test button & BFO	Indicator blt-in face-plate	Panel	6.6/ 2.6/6.25/ 9.05	1 yr p&l/ No	Many install kits avail; price incl ant & install kit; *Requires 28V kit. Tapered to fit top of panel
King KR 87 $2,940	11-33/ .85 (14V) .42 (28V)	200-1799/ 5	Electronic	Stdby freq-flt & elapsed timers incl	Dig disp of act & stdby freq	Panel Sep 3" ind	6.7/ 1.38/6.31/ 11.23	1 yr p&l/ C41c	Price incl KI227 ind, combined sense & loop ant, & install kit, non-vol memory, coherent detection blt-in for greater range
King KDF 806 $6,770	11-33/ 1.3	190-1799/ 5	Electronic	Coherent detect for more range	Dig disp of act/sby freq w/flip-flop xfer button	Remote	7.40/ 2.25/2.093/ 7.375	1 yr p&l/ C41c Class A	Incl install kit, ant & dig ctrl head. No ind. Non-vol mem. Remote flip-flop avail. Strappable to rec 2182 KHz. Act freq can be tuned direct. Optional ctrl head for KNS 660 freq MGMT and 9 pilot prog channels for freq storage
Narco ADF-841 $2,795	11/.8— 32/.4	200-1799	Electronic	Combined loop-sonse ant	Stdby freq flt & elapsed timers inc	Panel w/sep 3" indicator	2.7/ 1.5/6.25/ 10.25	1 yr; 2 yr opt/ C41C Class A	Coherent detection for greater range

Navigation *Distance measuring equipment*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	No. of channels	Type of display	Effective distance coverage Speed readout/TTS	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix DMS-44A $10,760	18-33/.7/ 325	252	LCD	0-300/ 0-999/ 0-19:59	Remote	7.7/ 1.5/3.2/2.5	2 yr/ C666	Triple scanning DME, disp N_1 & N_2 distance at once; outputs for ARINC 568, 429, 40 mv/nm & 40 bit serial Dichroic display opt.
Collins DME-40 $11,015	28/1/ 300 (40 mv/nm)	252	Gas discharge	0-250/ 0-999/ 0-99	Remote	8.1/ 1.66/3.38/ 6.59	1 yr/ C66a	Distance accuracy: ±0.1nm or 0.01%; ARINC 568, pulse pair; incl IND-40 ind
Collins DME-42 $10,670	28/.8/ 300 (40 mv/nm)	252	Gas discharge	0-300/ 0-999/ 0-120	Remote	6.2/ 1.66/ 3.38/6.59	1 yr/ C66b	Disp ID: 2-4 letters; incl 2-digit code diagnos; directly repl DME-40; trks 3 chan at once if used w/CTL-32 & IND-42A (CTL-32 ctrls nav rcvr); serial dig, 2x5 tuning; dig signal processing; echo monitor; ARINC 568B, serial dig; incl IND-42A ind
Collins DME-450 $4,695	14 or 28v/ 2.2a (14V)/ 100w (40 mv/nm)	200	Incand filament	0-199.9/ 0-399/ 0-120	Remote	6.1/ 1.35/3.5/5.3	1 yr/ C66a	Dist accuracy: ±0.1 nm or 1%; Incl ANT-451 ant & IND-450 ind
Collins DME-451 $5,695	14 or 28v/ 2.2a (14V) 100w (40 mv/nm)	200	Incand filament	0.199.9/ 0-399/ 0-120	Remote	6.4/ 3.26/3.26/ 5.4	1 yr/ C66a	Dist accuracy: ±0.1 nm or 1%; built-in timer based on GMT clock; incl ANT-451 ant & IND-451 ind
King KDM 706 $8,715	14 or 28V/ 1.7 (14), .8 (28)/ 250	200	Dig, gas discharge	389/ 0-999/ 0-99	Remote	5.5/ 5.25/2.5/ 11.8	1 yr/ C66a	Includes KDI 572 ind; KDM 706 will drive DME of KPI 553A HSI and optional KDI 573 slaved ind

Navigation *Distance measuring equipment (continued)*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	No. of channels	Type of display	Effective distance coverage Speed readout/TTS	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
King KDM 706A $10,325	28V/0.75 250	252	Dig, gas discharge	389/ 0-999/ 0-99	Remote	6.3/ 5/3/10	1 yr/ C66b	KDM 706 w/Arinc 429 & 568 interface
King KDM 7060 $9,736	115 (AC)/ .5/ 250	252	Not incl	389/ N/A/ N/A	Remote	11.6/ ½ ATR short	1 yr/ C66b	Arinc 568 replacement unit; no ind Mounting rack and connector $796
King KDM 7070 $11,468	115 (AC)/ .7/ 250	252	Not incl	389/ N/A/ N/A	Remote	16.7/ ½ ATR short	1 yr/ C66a	Arinc 521D replacement unit; no ind Mounting rack and connector $796.
King KN 62A $3,520	11-33/ 14V-1.07 28V-.535/ 100	200	Simultaneous dig disp of dist, GS & TTS	0-389/ 0-999 kts/ 0-99 min	Panel	2.6/ 1.3/6.312/ 12.258	1 yr p&l/ C66a	All solid-state, int & remote chan capability.
King KN 63 $5,350	11-33/ 14V-1.21 28V-.60/ 100	200	Simultaneous disp dist, GS & TTS	0-389/ 0-999/ 0-99 min	Remote	3.6/ 1.35/3.5/ 6.47	1 yr p&l/ Yes	All solid-state, includes antenna & installation kit. Accepts slip code, BCD and 2 x 5 channeline formats.
King KN 64 $2,150	11-33/ 14V-1.071 28V-.625/ 35	200	Simultaneous dig disp of dist, GS & TTS	0-389/ 0-999/ 0-99 min	Panel	2.6/ 1.3/6.312/ 12.258	1 yr p&l/ No	Solid-state, internal & remote chan capability. Price incl ant & install kit
King KTU 709 $13,280	14 or 28V/ 1.7 (14, 7.5 (28)/ 250	252	Dig, gas discharge	389/ 0-999/ 0-99	Remote	5.8/ 6.25/3/11.8	1 yr/ C66b	Tacan brg info may be disp on conventional CDI/HSI to offer independent, non-VOR based brg info. Incl KDI 572 disp DIST, GS, TTS
Narco DME-890 $2,150	11-32v/ 1.4a/ 25w nom.	200	Digital, gas discharge	160/ 600 kts/ 0-99	Panel	3.9/ 1.5/6.25/11	1 yr; 2 yr opt./ No	Remote channeling capability; simultaneous display of DIST, GS, & TTS. Price incl ant
Narco IDME-891 $2,195	11-32/ 1.4/ 25w nom.	200	Digital, gas discharge	160/ 600 kts/N/A	Panel, 3" inst hole	2.6/ 3.19/3.19/ 9.14	1 yr; 2 yr opt./ No	Incl VOR/ILS indicator & marker lights. Compatible w/ Narco MK-12D, NAV-825, NS-801 RNAV. *Package price with MK-12D-$4,995
Narco IDME-891 $2,195*	11-32/ .6/.3 25w nom.	200	Bright LED	160/ 600 kts/N/A	Panel, 3" inst hole	2.6/ 3.19/3.19/ 9.14	1 yr; 2 yr opt./ No	Incl VOR/ILS indicator & marker lights. Compatible w/ Narco MK-12D, NAV-825, NS-801 RNAV. *Package price with MK-12D-$4,995

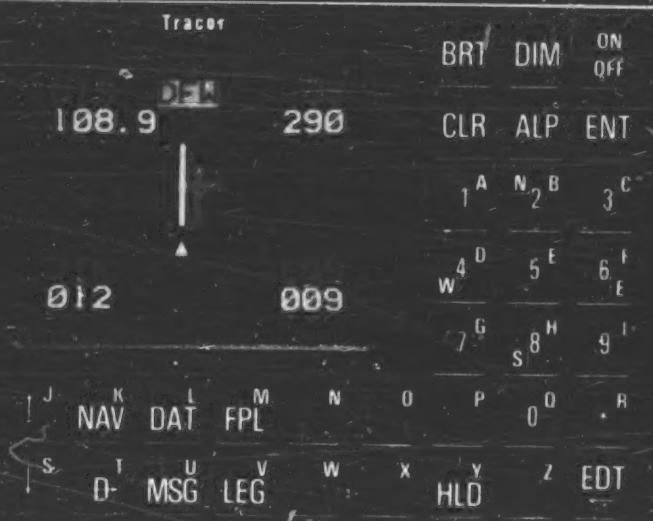
Navigation *Glideslope receivers*

Manufacturer/Model Price	Input (VDC/amps)	No. of channels	Receiver interface	Display interface	Weight	Panel size (H) (W) (D)	Warranty/TSO	Remarks
Collins GLS-350 $895	14, 28/ 0.7	40	VIR-351	HSI, CDI	2.0	5/1/10.7	1 yr/ C34c	N/A
King KN 75 $540	14/2-V/.72	40	"Universal" chan capability	HSI/CDI	1.6	Remote	1 yr p&l/ Yes	Remote mounted. Universal channel allows chanelling of KN75 from 2x5, KING slip code.

Navigation *Horizontal situation indicators*

Manufacturer/Model Price	Functions	Display/Rcvr RNAV interface	Flight director interface A/P interface	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Aeronetics 8000 $8,350	L-R dev, T/F, Nav flag, GS dev, GS flag, OLS, HDG flag, card	N/A/ Std ARINC input	AC synchro output/ AC synchro output	2.9/ 3.21/3.21/8	1 yr/ C6c, C34c, C36c, C40b	List price of $6,350 incl remote DG & flux valve; 8000 sys features "Automatic emergency mode" operation
Aeronetics 9131 $3,980	L-R dev, T/F, Nav flag, GS dev, GS flag, OBS, HDG card, HDG flag	N/A/ Std ARINC input	AC synchro ouput/ AC synchro output	2.8/ 3.21/3.21/8	1 yr/ C6c, C34c, C36c, C40b	Accepts standard HDG input from gyro
Aeronetics 9130 $8,420 —8,960	L-R dev, T/F, Nav flag, GS dev, GS flag, OBS, HDG flag, HDG card	Some models digital incand disp of CRS & DME/ Std ARINC	AC synchro output/ AC synchro output	4.5/ 3.975/3.975/ 8.120	1 yr/ C6c, C34c, C36c, C40b, C66a	Accepts standard ARINC gyro inputs from 9100 gyro or other standard gyro; DME accepts ARINC 568 or King serial
Astronautics P/N 125810 On request	Disp hdg, 2 brg, hdg select course, DME, GS	HSI 5"/ Yes	Yes/ Yes	6.5/ 4.25/5/7.5	1 yr or 1,000 hrs/ Yes	Typical of 5" HSIs, many others available
Astronautics P/N 127450 On request	Disp hdg, 2 brg, hdg select course, DME, GS	HSI 4"/ Yes	Yes/	7.12/ 4.15/4.15/8.94	1 yr or 1,000 hrs/ Yes	Typical of 5" HSIs, many others available
Astronautics P/N 132370 On request	Disp hdg, 1 brg, hdg select course, DME	HSI 3"/ Yes	Yes/ Yes	6/ 3.25/3.25/8.60	1 yr or 1,000 hrs/ Yes	Typical of 5" HSIs, many others available
King KCS 55A $5,905	VOR/GS/LOC	Deviation needle/ KNS80, 81, KN53, KX155, 165, 175B, KNR634/ Yes	Yes/ Yes	9 4/ 3.25/3.25/ 7.5	1 yr p&l/ Yes	Incl remote electric gyro. Opt helicopter HSI avail w/xtra GS dampening. Opt HSI avail w/heading bootstrap. Price incl total slaved compass system
King KPI 552 $9,125	VOR/GS/LOC	Deviation needle/ KNR 665A, 634, KN 53, KX155, 165, 175B, KNS 80, 81, 81-30/ Yes	Yes/ Yes	5.0/ 3.75/4.25/ 8.75	1 yr p&l/ Yes	Requires remote compass input. Flavors avail with or without built-in RMI pointers.
King KPI 553A $11,015	VOR/GS/LOC	Deviation needle, dig DME dist, grd spd, TTS radar alt/ KNR 665A, 634, KN 53, KX 155, 165, KNS 81, 81-30/ Yes	Yes/ Yes	5.5/ 4.25/4.25/ 8.75	1 yr p&l/ Yes	Incl dig readout dist, grdspd, TTS or radar alt; req remote compass input
King KPI 553B $12,660	VOR/LOC/GS/RMI/Long range NAV	Deviation needle, dig DME, dis, grdsp, TTS, radar alt/ KNS 660	Yes/ Yes	5.5/ 4.25/4.25/9.25	1 yr p&l/ Yes	Requires remote compass input, expanded dis readout for long range navigation system
Sperry RD-450 $6,339	VOR, LOC, GS, slaved gyro	N/A/ Yes	Yes/ Yes	3.6/ 4.06/4.06/8.66	1 yr/ Yes	N/A
Sperry RD-550 $13,447	VOR, LOC, GS, slaved gyro	Dig DME, crs, RMI pointer/ARINC 561, 568, DME	Yes/ Yes	5.9/ 4.25/4.25/8	1 yr/ Yes	Local & remote controls available
Sperry RD-650 $16,920	VOR, LOC, GS, slave gyro	Dig DME; crs RMI source sel; NAV source annun/ ARINC 561, 568, DME	Yes/ Yes	7.3/ 5/4.25/9	1 yr/ Yes	Local & remote controls available

Tracor TA7880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Navigation Long range navigation systems

Manufacturer/Model Price	Input (VDC/amps)	Frequencies	No. of waypoints stored Type of display	Functions	No. of components/Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Advanced Navigation 7000 $20,950	28 VDC/ 1.5a	100 KHz	200/ Fiber optic	Cross chain Ops., Flt. Plan computer, Auto Wind Computation, Pseudo Vortac mode, 99 route storage	3/ Remote	20/ 4.5/5.75/ 6.50	1 yr/ Yes C60a	IFR Cert enroute & terminal for NAS including Alaska. EFIS compatible.
Arnav R-60 $9,495	10-45/1	100 KHz	200/ Alpha/ Numeric	All chains, brg/dis btwn WP, OBS mode, pres pos, dis/brg, trk/dtk, GS/ETE, auto MAGVAR, CDI sens, x range sel, man, triad sel, 200 WP	Rcvr, ctrl disp, preamp, ant/ Ctrl disp panel	CDU: 2.06 REC: 5.375 3.75/5.75/ 5.12	18 mth./ pend	Designed for helicopter install, IFR cert pend, VFR ext range mode opt for marginal Loran areas. Alpha/num disp.
Arnav R-40 $4,995	10-45/1	100 KHz	200/ Alpha/ Numeric	All chains, rt plan, OBS mode, pres pos, grd trk/spd, dis/time, xtrk/dtk, brg/dis, partrk, auto MAGVAR, CDI sens, hld mode, 200 WP, alpha/num disp	Unit/preamp/ antenna/ Panel	4.8/ 3.25/6.25/ 10.7	18 mth./ Yes	IFR cert, VFR ext range mode opt for marginal Loran areas
Arnav R-20 $2,795	10-45/1	100 KHz	200/LCD	Brg/dis to WP, all chains, GS/ETE, TK/DTK, auto MAGVAR, int CDI, 200 WP, alpha/num disp MSA opt avail	Unit, preamp, ant/panel	4.6/ 3.25/6.25/ 10.7	18 mth./ pend	VFR only
Canadian Marconi CMA-734 'Alpha' $31,732	28/2	10.2, 11.3, 13.6 KHz + 15-30 KHz VLF	1000/ 2-line Alpha-numeric	All norm nav parameters displayed, autopilot coupling & XTRK dev outputs std, perm memory keep-alive for WP & GMT/DATE clock	2 + ant/ N/A	30/ 4.5/5.75/ 6.125	38 mth./ Yes	SAR, Co. rts, etc., stores up to 99 WP/rt, RPU has internal VLF
Canadian Marconi CMA-734 'Arrow' $21,730	28/1.4 40W	10.2, 11.3, 13.6 KHz + 15-30KHz VLF	891 (99 × 9)/ LCD	All norm nav parameters displayed, autopilot coupling & XTRK dev outputs std, perm memory keep-alive for WP & GMT/DATE clock	2 + ant/ N/A	17.7/ 3.75/5.75/ 2.375	38 mth./ Yes	Stores 99 rts of 9 WP ea, RPU has int VLF, mem has large growth potential, withstands high level vibrations allowing hard mount in most helicopters, wide angle CDU, TAS inpt std, not req, ded hi-cont disp
Collins LRN-85 $87,604	28/5	All VLF/Omega	99/ Dig CDU	Date, ETA, GMT, pres pos, lat/long storage, brg, dist, TTW, desired trk, xtrk wind, non-volatile WP memory, VOR/DME offset, AP l & r deviation, ARINC BCD output grd spd & dist	3/ Remote	31.5/ 4.5/5.75/6.25	1 yr./ C94	Omega unique for fast sync & all freq for 250 nm relane; freq-agile VLF SB trk'g; data base on 56-day chg notice; yearly EPROM update; 5700 WP
Collins LRN-85T $44,848	28/5	All VLF/Omega	99/ Dig CDU	Date, ETA, GMT, pres pos, lat/long storage, brg, dist, TTW, desired trk, xtrk wind, non-volatile WP memory, VOR/DME offset, AP l & r deviation, ARINC BCD output grd spd & dist	3/ Remote	31.3/ 4.5/5.75/6.25	1 yr./ C94	Omega unique for fast sync & all freq for 250 nm relane; freq-agile VLF SB trkg
Foster RNC601 $7,000	18-32/ .75	N/A	100/ LED	VORTAC-based long rng nav w/stor cap for 26 flight plans, 100 WP & 250 pilot-programmed WP ref. Includes VNAV advisory	1/ Panel	3.25/ 3-ATI/ 10.04 D	1 yr	Interfaces w/most VOR/DME, HSI/CDI & autopilot & flight directors. Can be upgraded to LNS616
Foster LNS616 $13,600	18-32/ 1.25	All Loran-C stations + VORTAC Interface	100/ LED	Stores 26 flight plans, 100 WP and 250 pilot-programmed WP ref. Includes VNAV advisory	2/ Remote	9.25/ 3-ATI 10.04 D	1 yr/ C40b, C36c, C66b, C60a	Uses VORTAC, Loran-C or both to derive pos info. Interfaces w/most VOR/DME, HSI/CDI & autopilot & flight directors. Can be upgraded to LNS616A
Foster RNC601A $11,900	18-32/ .75	N/A	234/ LED	Storage cap for 26 flight plans, 234 WP and 150 pilot-programmed WP ref plus all U.S. VOR, VOR/DME & VORTAC's by lat/long, freq, mag variation and elevation	2/ Remote	3.25/ 3-ATI 10.04 D	1 yr/ C40b, C36c, C66b, C60a	VORTAC-based long rng nav w/U.S. VORTAC Database & EFIS Interface Unit (D1681). First yr database update subscription is free
Foster LNS616A $17,900	18-32/.75	All Loran-C stations + VORTAC Interface	234/ LED	Stores 26 flt plans, 234 WP & 150 pilot- programmed WP ref, plus all U.S. VOR, VOR/DME, & VORTAC's. Incl VNAV advisory & LR651 Loran-C rcvr	3/ Remote	13/ 3-ATI/ 10.04 D	1 yr/ C40b, C36c, C66b, C60a	Uses VORTAC, Loran-C or both to derive pos info. Incl VORTAC database & EFIS Interface Unit (D1681). First yr database update subscription is free
King KNS 660 $27,540	28/1.77	200 VOR/ DME, 252 TACAN, All Omega	200-600/ CRT	Multisensor Nav sys Great circle enroute, appr & VNAV. Man/autosel sens & WP seq. Data base incl Stores 100 flight plans/800 WP. Drives EFIS & radar graphics. Freq mgmt w/Gold Crown III	2/ Remote	22 + sensors/ 10.8/5.75/8.	1 yr p&l/ Yes	Sensors incl VOR/DME, TACAN, Omega/VLF (opt $18,220). Compat w/Honeywell laser INS, & future MLS & GPS. 2 CDU's avail. Scans up to 10 DME's for pos comp

Navigation *Long range navigation systems (continued)*

Manufacturer/Model Price	Input (VDC/amps)	Frequencies	No. of waypoints stored Type of display	Functions	No. of components/installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Litton LTR-81-01 $39,850	115VAC/ 400Hz	N/A	N/A Works with FMS	Dig ARINC 429-Att, mag hdg, angular rates, accel, iner Alt. w/valid VOR/DME it provides GT, GS, DA, horiz vel, flt path angle, windspd & direction, potent vert. spd. Outputs: pitch, roll & mag hdg in analog.	1/ Rack	28.4/ N/A	1 yr N/A	Single AHRU replaces vert. gyros, instr. ampl, Body rate gyros, body accel. and compass couplers. MTBF-7,000 hrs, VG/DG instr. ampl. MTBF 1,650 hrs. Gimbals & assoc mech & elect. components eliminated enhancing maintainability
Litton LTN-211 $31,340	115VAC/ 400Hz	10.2-25 KHz	9/ Dig CDU	Auto prog VLF on 4th omega freq; auto sync, station select, trk mag and true hdg, rem ranging, wind update, malfunc code readout, self-test operator error detect. Rho-Rho-Rho operation, auto GMT & date	2 plus ant/ Pedestal & rack	39.8/ N/A	1 yr/ ARINC 599/ 575 dig bus	HS1 synchro & dig outputs, ARINC 599 Interface/w color radar, autopilot FD & HSI, nite vision goggle capability
Litton LTN-3100 $17,473	11-33/ 60w	10-30/ Omega & VLF	99 non-volatile Dig CDU	Auto sync & station select, trk, mag & true heading, rem ranging, wind update, malfunc code readout, self-test, operator error detect	2 plus E field ant/ Pedestal & rack	20/ 2.25/ 5.75/6.4	1 yr N/A	Stores up to 16 rts of 9 WP ea. Std ARINC 429 & 575 Nav data to color weather-radar nav display, integ lateral steering to autopilot. High-intensity LED, 36 char, 2 line rotatable display, rail mounts in pedestal.
Litton LTN-91 $103,600	115VAC/ 400 Hz	N/A	N/A	Inertial ref sys in support of a flight-mgmt sys 3 ARINC 429 data buses provide: PP, GS, pitch roll & hdg rates, body pitch & accel rates, along trk, xtrk & vert accel, trk angle & rate, alt. wind drift ang, hdg, speeds, descrete	3/ N/A	49/ 4.5/5.75/6	1 yr/ N/A	D to A, laser gyro stabilizer strapdown inertial reference system for semi-analog aircraft ARINC 704 10 MCU configuration.
Litton LTN-92 On request	115VAC/ 400 Hz 28 VDC	N/A	99-200/ Dig LED CDU	All the functions of a full inertial nav with increased computer and data storage capacity.	3/ Pedestal & rack	N/A 4.5/5.75/7.	N/A	Laser gyro stabilized strapdown inertial nav sys for semi analog aircraft. A direct replacement for existing INS units.
Litton LTN-72RL $140,770	115VAC/ 400 Hz	N/A	99 + PP/ Dig LED CDU	Auto data entry, wind blanking, var leg switching, action malf codes, parallel trk; outputs to Flt Dir, radar/autopilots, dig air data & dig VOR, & all ARINC analog TAS computers. ARINC 561 ARINC 575	3/ Pedestal & rack	62/ 4.5/5.75/ 7.6	1 yr/ C4c, C5cII, C6c	Features bulk storage of NAV data in elect alterable mem for indefinate retention w/out power, avail with Vandling interface for data base. INS & RNAV req for enrt, term and appr.
Litton LTN-90 $105,000	115VAC/ 400Hz 28VDC	N/A	N/A Dig LED ISDU	Inertial ref sys in support of a flight-mgmt sys 3 ARINC 429 data buses provide: PP, GS, pitch roll & hdg rates, body pitch & accel rates, along trk, xtrk & vert accel, trk angle & rate, Alt Wind drift ang, hdg, speeds, descrete	3/ Pedestal & rack	50/ 4.5/5.75/ 6	1 yr C4c, C5c, C6c	All dig, laser gyro stabilized strapdown inertial ref sys for all dig aircraft. ARINC 704 10 MCU configuration.
Litton LTN-72 $128,065	115VAC/ 400 Hz	N/A	9 + PP Incand dig CDU	Actual trk, trk ang error, xtrk & desired trk + access to computer in-flight for great circle dist computation avionics interface is full ARINC 561 & ARINC 575	3/ Pedestal & rack	61/ 4.5/5.75/ 7.6	1 yr C4c, C5cII, C6c	Sys uses gyro-stabilized platform to sense AC accelerations. Outputs accurate pres pos (Lat/Lon) data, nav infor, steering commands & ang pitch, roll & hdg data.
Litton LTN-72R $130,150	115VAC/ 400 Hz	N/A	9 + PP Incand Dig CDU	RNAV cert for enrt, term & appr. Provides xtrk gnd spd, pos of both updated & unupdated WP, VORTAC pos, freq, & elevation update code, mag var, DTG, DT, status, self test, malf codes. Access to computer during flight.	3/ Pedestal & rack	61/ 4.5/5.75/ 7.6	1 yr C4c, C5cII, C6c	ARINC 561 & 575. May be operated as RNAV or as an INS. As an area NAV sys, using range & brg data from sel VOR/DME/DME stations, it provides highly accurate navigation independent of time & drift errors.
II Morrow Apollo I 602 $1,895	6.5-48/ 1.54-.21	100 KHz	200/ LED numeric	Rng & brg to & from WP, gnd trk ang, gnd spd, est time enrt	4/ Panel	3.75/ 2/6.25/11	26 mo Yes	Compact, only 2" panel height req. Video training film avail
II Morrow Apollo II 611 $2,495	6.5-48/ 2.31-.31	100 KHz	100/ Hi- int alpha numeric	Brg (true or mag), rng, trk ang, gnd spd, est time enrt, xtrk, dist, desired trk, brg & rng from orig, pres pos, auto mag/var, CDI output, lat/long cal, auto secondary	3/ Panel	3.75/ 2/6.25/11	26 mo Pending	Enter pres pos in any WP, only 9 controls, wide input voltage range, simple operation

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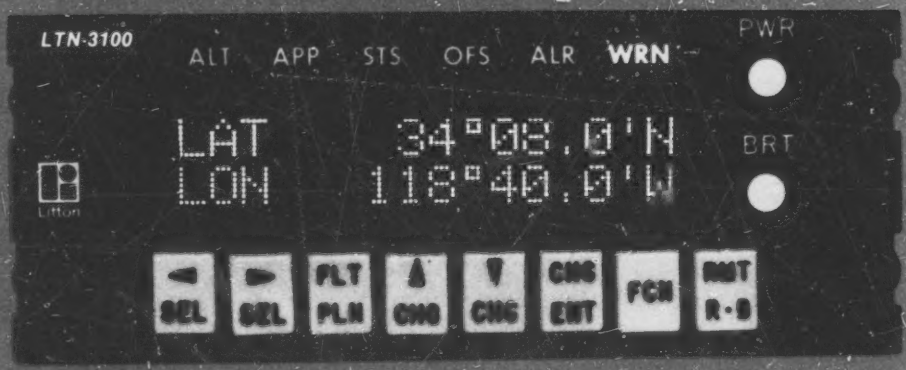

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National 1-800-235-3300 National 1-800-433-2612

Navigation *Long range navigation systems (continued)*

Manufacturer/Model Price	Input (VDC/amps)	Frequencies	No. of waypoints stored Type of display	Functions	No. of components/installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
II Morrow Apollo II 612 $3,495	6.5-48/ 2.31-.31	100 KHz	2500 + Hi-int alpha numeric	Pre-prog WP sel, brg & rng to & from WP, gnd trk ang, gnd spd, est time enrt, xtrk dist, desired trk, pres pos auto mag/var, CDI output, lat/long cal, auto secondary	3/ Panel	3.75/ 2/6.25/11	26 mo pending	Contains "Flybrary" 5 yr non-volatile mem, simplified controls, selectable parallel offset, IFR pending
II Morrow Apollo II 614 $7,995	Final characteristics to be determined by 1st quarter of 1985. Electrical and operating characteristics to be similar to Model 612. Functions to be similar to those of Model 612.				4/ Remote w/panel disp			TSO, IFR to be applied for
Teledyne TDL-711A $14,950	9-36/2	100 KHz	75/ Gas disp	Std nav outputs; dist, brg, xtk, dtk Lct, Lou, WP, plus master indep operation, flight planning, rad/dist WP input, LOFF data link	2/ Rack & panel	15/ 4.15/5.75/ 6.5	12/18 mth/ Submitted	LOFF compatible data link & ARINC 571 bus are standard features of the TDL-711A. RS-232 data bus is an optional feature.
Texas Inst. TI9100 $3,995	11-33/ .9 (28V)	100 KHz	9/ Gas disp	Lat/long, range, radial & brg, xtrk error, gnd trk angle, gnd spd, ETA, ETE, parallel offset, crs & dist btwn WP, trip dist, auto WP seq, auto triad sel & mag var	1/ Panel	6.7/ 3.25/6.25/ 11.6	1 yr/ C60a	IFR Cert, TI 91 rem mntd model, $7,995. TI 91 drives Sperry Data Nav III. Both drive most A/P's. Local calib & auto notch filt std.
Texas Inst. TI9100A $4,795	11-33/ .9 (28V)	100 KHz	40/ Gas disp	Lat/long, range, radial & brg, xtrk error, gnd trk angle, gnd spd, ETA, ETE, parallel offset, crs & dist btwn WP, trip dist, auto WP seq, auto triad sel & mag var	1/ Panel	6.7/ 3.25/6.25/ 11.6	1 yr/ C60a	IFR Cert, has 4 sep flt plans
Tracor TA 7880 $17,750	28/1.25	All Omega/VLF	400/ Color/CRT 8-line 14 char per line	Auto date, GMT, pos (lat/long), sync & stat/freq select. Brg hdg dist desired trk, trk, xtrk, selected xtrk, TAS, GS, ETA, ETE, wind, DA, pseudovor (rng/brg offset) - drives HSI/CDI/Flt director.	3/ Remote	16/ 3.75/5.75/ 8.0	2 yr p&l/ Yes	All inrt nav info single disp pg. Use of color eliminates disp clutter. Fully alphanumeric keybd. Non-volatile mem stores up to 99 flt plans. Plain lang diag for sys status and inst ck/out. IFR cert.
Universal Navigation UNS-1 $44,850	28/3	N/A	6.900 std + 23,000 opt/ CRT/CDU	Int flt mgmt sys, lat plus vert nav, fuel mgmt, Int Jeppesen data base, analog/digital flt guidance sys, radar outputs	2/N/A	14.5/ 4.5/5.75/6.75	3 yr/ C-66B/ C-94A	Accepts single or multiple inertial, Omega/VLF and/or Loran C sensor inputs, plus cont automatic DME/DME lat/lon. Prod one best comp pos, 100 rt storage, In cockpit data base updating

Navigation *Marker beacon receivers*

Manufacturer/Model Price	Input (VDC/amps)	Features included	Type indication	Installation	Weight	Panel size (H) (W) (D)	Warranty	TSO	Remarks
Collins MKR-350 $395	14, 28/0.3	Hi & lo sens ctrl	Tone, lites	Panel	0.6	1.0/3.1/5.7	1 yr	C35d	N/A
King KMR 875 $1,145	28V/1.2	Self-test, auto dimming	Tone, lights	Remote	.75	2.6/1/9.1	1 yr	C35d	KA 35A marker light assembly, $170
King KR 21 $470	14/28V/.30	Auto dimming of bit-in lites, hi-lo sense switch bit-in	3 lites + audio outputs	Panel	0.60	1.05/3.2/5.667	1 yr p&l	Yes	Separate, self-contained unit, includes lights
King KR 22 $365	14/28V/.5	Bit-in hi-lo lite intensity switch.	3 lites + audio outputs	Panel	.40	1.2/3.3/7.75	1 yr p&l	No	Self-contained unit, momentary lite test when turned on. Includes lights

Navigation *Radio magnetic indicators*

Manufacturer/Model Price	Input (VDC/amps)	No. of pointers Internal RMI converter	Switching capability	Display features	Installation	Weight/Panel size (H)(W)(D)	Warranty/TSO	Remarks
Aeronetics 3137 $3,220	28VDC/0.5, 26VAC/0.5	2/ No	Yes, 2VOR, 2ADF	Color coded switches & pointers, hdg flag	Std ARINC ATI-3 per 408	2.5/ 3.21/3.21/6.7	2 yr./ C6c	3100 avail in various config to accept any radio outputs. Also avail w/o switches
Aeronetics 7100 $4,400	28/ 1.1	2/ Yes	Yes, 2ADFS, 2 VORS	Color coded switches & pointers, hdg flag	Remote box	4.3/ 3.21/3.21/ 3.83	2 yr/ C6c	Accepts VOR comp & x,y,z, or DC SIN/COS ADF, opt AC inverter provides sys AC power
Aeronetics 3337 $3,500	28/ .75	2/ No	Yes, 2 VOR, 2 ADF	Color coded switches & pointers, hdg flag	Std ARINC AT1-3 per 408	2.5/ 3.21/3.21/ 7.56	2 yr/ C6c	Accepts: ADF x,y,z or DC SIN/COS ± 3V or ± 8V, VOR xyz or AC SIN/COS sq wave
Astronautics P/N 127700 On request	115/400 Hz	2/ No	Yes	N/A	N/A	2.2/ 3.25/3.25/5	1 yr or 1000 hrs/ Yes	Hermetically sealed, anti-reflective glass
Astronautics P/N 134650 On request	115/400 Hz	2/ No	No	All servos, 3 fail flags	ARINC ATI-3	3.5/ 3.25/3.25/7.5	1 yr or 1000 hrs/ Yes	Bootstrap azimuth output, DC SIN/COS input ADF, AC SIN/COS VOR input
AIM 400CEL $3,965	14/28VDC/.9 115VAC/ 400HZ/16VA	0/ N/A	No	HDG	Panel	3.8/ 3.26/3.38/ 6.70	1 yr C6c	Has ARINC bootstrap synchro, avail in airdriven system
AIM 800CEL(D) $4,740	14/28VDC/.9 115VAC/ 400HZ/16VA	2/ N/A	No	HDG/RMI ADF	Panel	3.8/ 3.26/3.38/ 8.7	1 yr C6c	Has ARINC bootstrap
AIM 800CEL(S) $4,510	14/28VDC/.9 115VAC/ 400HZ/16VA	1/ N/A	No	HDG/RMI	Panel	3.8/ 3.26/3.38/ 8.7	1 yr C6c	Has ARINC bootstrap Synchro, avail in airdriven system.
Collins BDI-36 $7,945	28/0.8	2/ N/A	ADF, VOR	Dual DME dist disp; pushbutton switch of pointers to ADF/VOR	Panel	3.5/ 4.2/3.4/7.3	1 yr/ C6c	Accepts SIN/COS or 3-wire synchro ADF & VOR inputs; pointers independent use split 400 Hz power sources; opt bootstrap compass xmtr; integral power supply & servo amp
Collins RMI-30 $3,635	28/0.6	2/ N/A	ADF, VOR	Pushbutton pointers switch ADF/VOR	Panel	2.8/ 3.4/3.4/7.3	1 yr/ C6c	Accepts 3-wire synchro ADF input & SIN/COS VOR input; bootstrap compass xmtr; integral power supply & servo amp
Collins RMI-36 $5,160	28/0.6	2/ N/A	ADF, VOR	Pushbutton pointers switch ADF/VOR	Panel	2.8/ 3.4/3.4/7.3	1 yr/ C6c	Accepts SIN/COS or 3-wire synchro ADF & VOR inputs; pntrs independent use split 400 Hz power sources; opt bootstrap compass xmtr; integral power supply & servo amp
King KI 229 $3,200	14/28/0.75	2/ Yes	Can switch fr VOR to #2 ADF w/ext switch	Separate needle for ADF & VOR	3" round or front-mtd in 3 ATI	2.8/ 3.26/3.26/ 8.33	1 yr p&l/ Yes	Requires 4.0 VA-26VAC power + 14 or 28 VDC. Requires bootstrap from HSI
King KDI 582 $3,860	28/0.4	2/ Yes	Yes	Needles switch betw ADF, VOR	Front avail in 3 ATI hole	3.0/ 3.26/3.26/ 8.38	1 yr p&l/ Yes	Req 6.0 VA-26 VAC power + 28 VDC. Accepts AC or DC sin/cos, serial & VIR composite inputs
Sperry RH-404 $4,635	28/5.6	2/ No	No	HDG, RMI	Panel	3.2/ 3.2/3.2/6.5	2 yr/ Yes	N/A
Sperry RH-405 $6,158	28/5.6	2/ No	No	HDG	Panel	3.2/ 3.2/3.2/6.5	2 yr/ Yes	N/A
Sperry RH-444 $6,260	28/5.6	2/ No	Yes	HDG	Panel	3.2/ 3.2/3.2/6.5	2 yr/ Yes	N/A
Sperry RH-445 $6,694	28/5.6	2/ No	Yes	HDG	Panel	3.2/ 3.2/3.2/6.5	2 yr/ Yes	N/A

Navigation *VHF comm/nav transceivers*

Manufacturer/Model Price	Input (VDC/amps) Output (watts)	Frequency range Spacing (KHz)	No. of channels	Component independence	Features included	Installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
King **KX 155** **$2,670**	14/28/ 14V-7.5 28V-4.5/ 10	118.-135.975 Com 25 KHz Nav 50 KHz	Com 720 Nav 200	Yes	Dig disp of act/sby freq & freq flip-flop of both Nav & Com audio leveling	Panel	5.3/ 2./6.25/ 10.16	1 yr p&l/ Yes	Incl install kit. Many versions avail. Opt incl GS, audio amp, & wider Com rcvr bandwidth for int'l use. Rem Nav & Com flip-flop opt
King **KX 165** **$4,045**	14/28/ 14V-7.5 28V-4.5/ 10	108.-135-975 Com 25 KHz Nav 50 KHz	Com 720 Nav 200	Yes	Dig disp of act/sby Com & Nav freq, flip-flop of act/sby freq, dig radial disp aud-level	Panel	5.65/ 2./6.25/ 10.16	1 yr p&l/ C37b	$4,620 w/GS; non-volatile memory. Remote Nav & Com flip-flop capability
King **KX 175B** **$2,750**	14/28/5.1/ 7	108.-135.975 Com 25 KHz Nav 50 KHz	Com 720 Nav 200	Yes	Mechanical tuning & rotary drum display	Panel	7./ 2.5/6.25/ 13	1 yr p&l/ Yes	28V req conv; Avail w/narrower or under-Com rcvr bandwidth for int'l use
Narco **MK 12D** **$2,595**	14 or 28/ 1 @ 14, .5 @ 28/ 8 nom	108.-135.975 Com 25 KHz Nav 50 KHz	Com 720 Nav 200	No	Simultaneous disp of ACT & standby freq	Panel	4.1/ 2.5/6.25/ 11	1 yr, 2 yr opt/ C34c, C36c, C37b, C38b, C4a	Incl bit-in VOR/LOC conv & DME chan (2x5) use w/ ID-824, 825, or IDME-891 + $500 for GS

Navigation *VHF navigation receivers*

Manufacturer/Model Price	Input (VDC/amps)	Frequency range (MHz) No. of channels	Spacing (KHz)	Capabilities	Features included	Recommended CDI: Model Weight/Price	Installation/Weight Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix **VNS-41A** **$8,600**	18-33/.8	108.-117.95/ 200	50 KHz	GS & MKB std.	Dig RMI readout-LCD display	Any std type	Remote/ 6.1/ * 4./4./11.	2 yr/ C40b, C36c, C34c, C35d	ARINC 429 interface/analog; Dichroic display opt
Collins **VIR-30A** **$12,850**	28/0.8	108.-117.95/ 200	50 KHz VOR/LOC, 150 KHz GS/MKB	GS & MKB	2 storable chan, non-volatile memory; gas/disp	RMI-30/ 2.8/ $3,635	Remote/ 6.8/ 3.13/2.5/ 6.5	1 yr/ C34c, C35d, C36c, C40a	RMI compatible; incl CTL-30 elect ctrl; 4 wire SIN/COS VOR output
Collins **VIR-31A** **$14,530**	28/0.8	108.-117.95/ 200	50 KHz VOR/LOC, 150 KHz GS/MKB	GS & MKB	2 storable chan; non-volatile memory; gas/disp	RMI-36/ 2.8/ $5,160	Remote/ 8.0/ 3.13/2.5/ 6.5	1 yr/ C34c, C35d, C36c, C40a	RMI compatible; incl CTL-30 elect ctrl; 3 wire synchro VOR output; rotor modulation filt
Collins **VIR-32** **$11,010**	26/1.5	108.-117.95/ 200	50 KHz VOR/LOC 150 KHz GS/MKB	GS & MKB	6 storable chan, non-volatile memory; gas/disp	RMI-30/ 2.8/ $3,635	Remote/ 5.7/ 2.63/2.38/ 5.39	1 yr/ C34c, C35d, C36d, C40b	Repl VIR-30A directly; RMI comp; incl CTL-32 serial dig ctrl; dig signal processing; blt-in diag; rotor modulation filter opt (strap)
Collins **VIR-351** **$2,095**	14, 28*/ .06 (14V)/	108.-117.95/ 200	50 KHz	Tunes an ext GS receiver & DME	Incand disp	IND-350A 1.5/ $895	Panel/ 2.7/ 2.6/3.12/ 12.45	1 yr/ C36c, C40a	Disp either freq or TO/FR, brg; elect freq readout; ARINC 547; *Adapter $65
King **KN 53** **$2,605**	14 or 28V/ 1 (14V), .25 (28V)	108.-117.95/ 200 NAV, 40GS	150 GS	VOR, LOC, GS, RMI	Act & stby, GS rcvr, DME chan	KI209/ 1.20 $765	Panel/ 3.1/ 1.3/6.25/ 9.75	1 yr/ C36c, C40a	Angular deviation, int lighted. Opt KN53 avail w/out glide slope avail
King **KNR634** **$10,270**	28V/ 2.5	108.-117.95/ 200 NAV, 40 GS	140 GS	VOR, LOC, GS, RMI, MKB	Act & stby freqs, GS rcvr, MKB rcvr, flip-flop (incl rem)	KI206/ 1.3/ $1,340	Remote/ 3.25/3.25/8	1 yr/ C34c, C36c, C40a	Rectilinear needle movement, int lighted, course datum synchro add $265. Opt less GS. Opt cont head for freq Mgmt for KNS660 and 9 pilot-programmable freq. storage.

Navigation *VHF navigation receivers (continued)*

Manufacturer/Model Price	Input (VDC/amps)	Frequency range (MHz) No. of channels	Spacing (KHz)	Capabilities	Features included	Recommended CDI: Model Weight/Price	Installation/Weight Panel size (H) (W) (D)	Warranty/TSO	Remarks
King KNR6030 $9,936	28VDC, 115VAC/ 1.5, 0.1	108.-117.95/ 200	50 KHz	ARINC 547	Incls glide slope, module design, funct test feature	KI206/ 1.3/ $1,340	Remote/ 11.9/ Stand ARINC ½ ART sht	1 yr/ p&l Yes	Opt Sin/Cosin avail for RMI and OBI mounting rack and connector avail for $796.
Narco NAV-824 $1,895	11-32/ .5	108.-117.95/ 200	50 KHz	VOR/LOC/ digital RMI both to & fr station	Act & stby freq, DME chan	ID-824/.9/ $750	Panel/ 3.1/ 1.5/6.25/ 11	1 yr, 2 yr opt	Gas discharge disp, rectilinear needle movement
Narco NAV-825 $2,395	11-32/ .5	108.-117.95/ 200	50 KHz	VOR/LOC/GS digital RMI both to & fr station	Act & stby freq, DME chan	ID-825/ 1.0/ $850	Panel/ 3.3/ 1.5/6.25/ 11	1 yr, 2 yr opt/ C34c, C36c, C40a	Gas discharge disp rectilinear needle movement

Weather detection *Non radar weather detection*

Manufacturer/Model Price	Input (VDC/amps)	Ranges (nm)	Scan width (°)	Display type/size	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
3M Stormscope WX-12 $975	30-15/ 1-2/ 28w	Control by radar display, out to 200 nm	360° in radar stby mode	Integrated with radar display	8.0/ 1.46/3.19/ 2.5	1 yr/ Pending	Preliminary data, delivered late 1984, interface with virtually all Sperry Coloradar
3M Stormscope WX-11 $10,500	30-10/ 1-2/ 28w	25, 50, 100, 200	360°	CRT 3" dia	10.7/ 3.19/3.19/ 9.22	1 yr/ Pending	Features incl hdg stab, image enhancement circuitry; max range on ground or in air, forward mode, all controls on disp, range memory, select gyro on/off line
3M Stormscope WX-10A $8,950	30-10/ 1-2/ 28w	25, 50, 100, 200	360°	CRT 3" dia	10.3/ 3.19/3.19/ 9.22	1 yr/ Pending	Features incl image enhancement circuitry; max range on ground or in air, forward mode, all controls on disp, range memory
3M Stormscope WX-8 3,795	30-10/ .51	100	135°	LCD 3" dia	4/ 3.19/3.19/ 9.22	1 yr/ N/A	Max range on ground or in air, single panel mounted unit/display; 3 color LCD

Weather detection *Weather radar*

Manufacturer/Model Price	Input (VDC/amps) Output (kw)	Ranges	Antenna diameter/type	Scan width (°)/Scans per min	Display type/size	Pulse width	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix RDR-160 $12,450	28/3.5/ 5.0	10, 20, 40, 80, 160	10", 12"/ parabolic	90/ 13	Mono/ 4.34 x 3.33	4.0 usec	15.6/ 4.0/6.25/9.97	2 yr/ C63b	Monochromatic sys, non-stabilized
Bendix RDR-160XD $14,550	28/4/ 5.0	10, 20, 40, 80, 160, 240	10" or 12"/ parabolic	90/ 13	Color/ 4.34 x 3.33	4.0 usec	20.6/ 4.7/6.25/ 12.06	2 yr/ C63b	Optional check list, moving map disp, non-stablized
Bendix RDR-1150XL $36,400	28/4.5/ 10	5, 10, 20, 40, 80, 160, 240, 320 nm	12", 18"/ flat plate	120/ 13	Dot matrix color/ 4.34 x 3.33	1.2/3.5 usec	28.5/ 4.45/6.25/ 12.06	2 yr, C63b	Low profile, fully stabilized sys. Opt check list & moving map display

Weather detection *Weather radar (continued)*

Manufacturer/Model Price	Input (V/DC/amps) Output (kw)	Ranges	Antenna diameter/type	Scan width (°)/Scans per min	Display type/size	Pulse width	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Bendix RDR-1150HP $35,250	28/4.5/ 10.0	5, 10, 20, 40, 80, 160, 240, 320 nm	12", 18"/ flat plate	120/ 13	Dot matrix color/ 4.34 x 3.33	1.2/3.5 usec	28.5/ 4.7/6.25/ 12.06	2 yr/ C63b	Fully stabilized sys. Opt check list & moving map display
Bendix RDR-1400C $49,192	28/4.2A/ 10.0	0.5, 1, 2, 5, 10, 20, 40, 80, 160, 240	12", 18" or 12 x 18"/ flat plate	120/ 13	Dot matrix color/ 4.34 x 3.33	0.5/2.35 usec	34/ 6.25/6.25/ 10.87	2 yr/ C63b	BEANCON radar; opt check list, moving map, course brg cursor
Bendix RDS-82 $16,600	28/4.0/ 1.2	10, 20, 40, 80, 160, 240 nm	10" or 12"/ flat plate	90/ 13	Color/ 3 x 4	.6, 1, 2, 4, 8, 11.6 usec	19/ 4.1/6.25/ 10.5	2 yr/ 63b	EFIS compatible, 4 weather colors, opt moving map display & checklist
Bendix RDS-86 $39,990	28/4/ 1.2	5, 10, 20, 40, 80, 160, 320	12", 18"/ flat plate	120/ 1.3	Color/ 3" x 4"	0.6usec to 15 usec	22/ 4.5/6.3/10.5	2 yr/ C63b	EFIS compatible, 4 weather colors, opt moving map disp & checklist; standard automatic tilt - autotilt", Built-in self-test & diagnostics; 1000 NM NAV Map display
Collins WXR-220 $15,880	28/3.3/ 5	10, 25, 50, 100, 200	12"/ flat plate	90/ 18	Color/5"	5.5 & 1.0 msec (dual)	22.5/ 4.0/6.25/10	1 yr/ C63b	Ind incl built-in diagnostic & alignment aids; interfaces w/DCP-270 Information Ctr; range-adj contour; opt 10" & 18" flat plate antenna
Collins WXR-270 $29,360	28/3.75/ 5	10, 25, 50, 100, 250	12"/ flat plate	120/ 14	Color/5"	5.5 & 1.0 msec (dual)	23.3/ 4/6.25/10.5	1 yr/ C36b	Ind incl built-in diagnostic & alignment aids; interfaces w/DCP-270 Information Ctr, opt 10" & 18" ant
Collins WXR-300 $39,800	28/3.75/ 5	10, 25, 50, 100, 200, 300	12"/ flat plate	120/ 14	Color/5"	5.5 & 1.0 msec (dual)	27.1/ 4.7/6.25/ 12 48	1 yr/ C63	Black-matrix CRT; interfaces w/RNS-325 Radar Nav Sys & DCP-270 Information Ctr; range adj contour; opt 10" & 18" ant
King KWX 56 $12,500	28/3.0/ 7.5	10, 20, 40, 80, 160 nm	10" or 12"/ phased array	90°/ 13	Dig 3-color CRT/ 5" diagonal	3.75 ms	18.4/ 4.75/6.25/ 12.36	1 yr p&l/ C36b	Fully stabilized in pitch & roll from ARINC std vertical gyros. Interfaces w/KGR 356 & KGR 358 radar graphics
King KWX58 $18,090.	28/3.0/ 7.5	5, 10, 20, 40 80, 160, 320nm	10" or 12"/ phased array	90°/ 13	Dig 4-color CRT/ 5" diagonal	3.75 ms	18.8/ 4.75/6.25/ 12.38	1 yr/ Yes	Fully stabilized in pitch & roll from ARINC std vertical gyros. Interfaces w/KGR 356 radar graphics units
Sperry Primus 300SL $32,904	28/5/ 8	10, 25, 50 100, 200, 300	10, 12, 18"/ flat plate	120/ 12	Color/5"	1.0 msec/ 3.5 usec	(12")32.3/ 4.38/6.25/ 12.38	1 yr/ Yes	Data nav & stormscope interface avail.
Sperry Primus 400SR $44,070	28/5.6/ 10	2.5, 5, 10, 25, 50, 100, 200	10, 12, 18"/ flat plate	120/ 14, 28	Color/5"	1.0 msec/ 3.5 usec	(12")37/ 6.25/6.25/ 11.88	1 yr/ Yes	Data nav & stormscope interface avail.
Sperry Primus 500 $46,548	28/5.6/ 10	2.5, 5, 10, 25, 50, 100, 200	12, 18"/ flat plate	120/ 14, 28	Color/5"	.5 & 2.3	39/ 6.25/6.25/ 12.5	1 yr Yes	Beacon navigation capability. Fast-time constant. Data nav & stormscope interface avail.

Other avionics *Antennas*

Manufacturer/Model Price	Frequency range (MHz)	Connector/Mounting hole pattern	VSWR	Weight/Size (H) (W) (L)	Polarization	Warranty/TSO	Remarks
Dorne & Margolin DM N4-17/A $528	108-118 329-335.3	BNC Female 4 mounting hole	Less than 5.0:1	1.5 lbs 5/-/12	Horizontal	5 yr C34b, C36c, C40a	VOR/LOC/G.S. balanced loop design ideal for helicopters to reduce rotor modulation. Provides maximum VOR or R-Nav, system performance. Low drag, and is lightweight.
Dorne & Margolin DM N4-4 $698	108-122	BNC 6 mounting hole	Less than 5.0:1	2 lbs 8.5/-/17	Horizontal	3 yr C40a	Balanced loop VOR/LOC antenna provides greater rejection of rotor modulation. Lightweight magnesium rugged construction.
Dorne & Margolin DM N48-1 $248	108-118	BNC 4 mounting hole	Less than 5.0:1	18 oz 6.2/16.5/	Horizontal	5 yr	VOR/LOC balanced loop tubular type antenna assures omnidirectional radiation pattern. Lightweight, ease of installation.

Other avionics *Antennas (continued)*

Manufacturer/Model Price	Frequency range (MHz)	Connector/Mounting hole pattern	VSWR	Weight/Size (H) (W) (L)	Polarization	Warranty/TSO	Remarks
Dorne & Margolin DM C57-1 $254	450-470	N Female 4 mounting holes	Less than 2.0:1 @454-459 MHz Less than 2.5:1 @450-470 MHz	8 oz. 3.5/1.75/4.8	Vertical	5 yr	Low profile metal blade radio telephone antenna. Low drag, high side load strength. Construction: metal, completely sealed to prevent damage from moisture, Skydrol or other contaminants.
Dorne & Margolin DM C70-1/A $94	118-136	BNC Female/ 4 mounting hole	2.0:1	12 oz 15/2.58/4.26	Vertical	5 yr C37b, C38b	VHF Communication antenna. Lightweight profile, unique design offer mechanical strength and high electrical efficiency. High vibration tolerance.
Dorne & Margolin DM C70-4 $140	118-136	BNC Female 4 mounting hole	2.5:1	12 oz. 8.8/2.58/4.26	Vertical	5 yr C37b, C38b	VHF Communication antenna designed specifically for bottom installations. Provides high degree of efficiency to assure maximum performance. High vibration tolerance.
Dorne & Margolin CM C60-1 $252	118-136	BNC Female 6 mounting hole	2.0:1	1.6 lbs. 11/3.4/8.5	Vertical	5 yr C37b, C38b	Radiating elements encapsulated in high density unicellular foam and encased in high strength fiberglass housing. Aerodynamic design assures low drag.
Dorne & Margolin DM N15-1 $364	30-76	BNC Female 4 mounting hole	Less than 1.85:1	2.13 lbs. 6.62/–/26.7	Vertical	3 yr Mil Spec.	Homing loop antenna of all metal, erosion resisting construction. Provided with terminals at each end for compatability with AN/ARC-54 Lobe Switching Homing System.
Dorne & Margolin DM NI 70-2 $82	950-1220	BNC Female 4 mounting hole	1.7:1 @950-1220 1.5:1 @1000-1100	0.25 lbs. 2.2/1.75/5	Vertical	5 yr C66a, C74b	DME/Transponder L-Band metal blade antenna sealed and waterproofed for increased reliability. Provides omnidirectional, vertically polarized coverage when installed on top or bottom.
Dorne & Margolin DM NI 70-1 $86	950-1220	C Female 4 mounting hole	1.7:1 @950-1220 1.5:1 @1000-1100	0.25 lbs. 2.2/1.75/5	Vertical	5 yr C66a, C74b	DME/Transponder L-Band metal blade antenna sealed and waterproofed for increased reliability. Provides omnidirectional, vertically polarized coverage when installed on top or bottom.
Sensor Systems S67-2002 On Request	4200-4400	TNC Female 4 mounting holes	2.0:1 @4200-4400 1.9:1 @4210-4390 1.5:1 @4240-4360	3 oz. 17/3.65/3.50	Linear	2 yr TSO C87	Compatible with Collins, Bendix, Sperry, Gould, Honeywell altimeter systems
Sensor Systems S65-8282-21 On Request	AM 190-1750 FM 88-103 TV 2-13 & 9-79 UHF	BNC 6 mounting holes	N/A	2.5	Horizontal	2 yr TSO C37b C38b	In flight TV antenna. Bolt pattern compatible with Collins 37R-2 antenna.
Sensor Systems S65-8282 On Request	116-156	BNC 6 mounting holes	2.0:1	2.5/11.85	Vertical	2 yr TSO C37b &C38b	VHF antenna. Used on Cessna Citation.
Sensor Systems S65-1016 On Request	225-400	N 4 mounting holes	2.0:1	16 oz. 7.75	Vertical	2 yr C37b & C38b	UHF antenna
Sensor Systems S65-1016-1 On Request	450-465	N 4 mounting holes	2.0:1	16 oz. 7.75	Vertical	2 yr TSO C37b & C38b	AT-460 radio telephone
Sensor Systems S65-8282-34 On Request	108-174 30-88 225-400	TNC 6 mounting holes	VHF/AM/2.3:1 VHF/FM/2.6:1 UHF 2.3:1	2.5/11.85	Vertical	2 yr TSO C37b &C38b	VHF/AM/FM/UHF antenna. ARC 182 radio.
Sensor Systems S65-5366-7L On Request	960-1220	C 4 mounting holes	1.4:1 @1000-1100 1.7:1 @960-1220	4 oz. 2.2	Vertical	N/A	L-Band Antenna. Used on Boeing 707, 727, 737, 747, CL-600
Sensor Systems S35-1000-1 On Request	75	C 6 mounting holes	1.5:1 @75 MHz 5.0:1 @75 MHz ±0.15	8 oz. 1.4	Linear (major axis)	2 yr TSO C35c	Marker Beacon Antenna. Used on Boeing 737, Lockheed L-1011 and Canadair CL-600 aircraft.

Other avionics *Emergency locator transmitters*

Manufacturer/Model Price	Output (mw after 48 hrs. operation @ -20°C)	Features included	Battery type Replacement interval	Operating range (°F)	Remote panel switch	Type installation	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Dorne & Margolin DM ELT 8 $264	75	SARSAT/ COSPAS compatible, easy install, opt ant	Alkaline/ 2 yrs	– 4 to 131	Optional	Automatic fixed	2.75/ 2.88/3.4/ 8.82	1 yr C91	Warranty extended for another year each time D&M battery pack is replaced by an approved D&M battery pack
Dorne & Margolin DM ELT 8.5 $628	75	Spherical cov, 3 impact sensors, SARSAT/ COSPAS compatible	Alkaline/ 2 yrs	– 4 to 131	Optional	Automatic fixed	3.25/ 2.88/3.4/ 11.45	1 yr C91 (xmtr)	Warranty extended for another year each time D&M battery pack is replaced by an approved D&M battery pack; ELT specifically designed for helicopters
Martech Eagle EB-2BCD N/A	75	Voice/no voice capability, test light, 8" antenna	Alkaline/ 2 yrs	– 4 to 131	No	Fixed/ portable	3/ 7.5/3.75/ 1.75	1 yr/ C91a	High speed and other antennas available
Martech Dolphin N/A	250	Teflon coated ant, test light, water activated	Alkaline 2 yrs	– 4 to 131	No	Portable survival type	3.5/ 16.375 H/ 3" dia	1 yr/ C91a	Storage case; mounting bracket; manual or water activated
Martech Marlin N/A	225	Teflon coated ant	Water activated/ 6 yrs min	– 4 to 131	No	Portable survival type	3.2/ 20.5 H/ 2.75" dia	1 yr/ C91a	Testjacks included
Martech CIR-11-7 N/A	125	Mounting bracket, water resistant, portable ant	Alkaline/ 2 yrs	– 4 to 131	Yes	Fixed/ portable	3.5/ 8.16/3/2.75	1 yr/ C91a	Alternate high speed antennas
Narco ELT-10 $350	100	Rolamite "G" switch	Alkaline/ 2 yrs	-40 to 160	Optional	Fixed, portable	3.5/ 3.17/2.18/ 8.12	2 yrs;* C91	*Warranty is extended to expiration date of battery when replaced with a Narco battery

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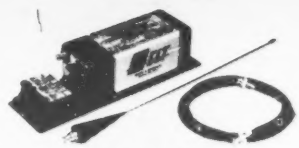
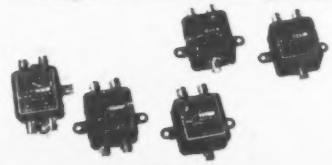
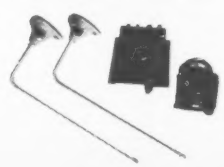


OMNIDIRECTIONAL
ELTS

VHF COMMUNICATION
DM C70-1/A, DM C70-4



COUPLERS
DM H21-1, H22-1, H23-1, H24-1, H69-1



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Other avionics *ELT locator/VHF homing receivers*

Manufacturer/Model Price	Input (VDC/amps)	Frequency range	Tuning	Features included	Display	Type installation	Weight/Panel size (H)(W)(D)	Warranty/TSO	Remarks
Dorne & Margolin DM SE71 $932	14 or 28/ 7w	According to aircraft xcvr	As aircraft radio is tuned	Auto xfer from homing to comm, lightweight	"Fly The Needle" needle deflection and tone to pilots headset. Accuracy within 5°	Ind in inst panel, switch in avionics rack, ext ant (2)	2.5 (+ ant)/ 3.25/5.1/3.25	1 yr N/A	Attaches to existing VHF radio xcvr for airborne ELT homing missions. Exceeds RTCA DO-138 env specs
Dorne & Margolin DM ER3 $920	14 or self-cont'd	121.5/ 121.6/ 243.0 MHz	Rotary switch	Integ circuit and R.F. technology, text chan for training, rubber duck ant	Lighted indicator, speaker output	N/A	5 lbs.	1 yr N/A	Airborne or hndhld port rcvr/locator; back compartment for ant, batteries

Other avionics *Encoding altimeters and blind encoders*

Manufacturer/Model Price	Input (VDC/amps)	Alt. range	Type of display	Encoder design	Weight	Panel size (H) (W) (D)	Warranty	TSO	Remarks
King KE 127 $825	14/28/ .12 (14V) .15 (28V)	– 1000 to 20,000 ft	None	Optical	1.0/	Remote	1 yr p&l	Yes	Incl install kit. Works directly w/transponder to provide encoding capability. Remote blind encoder.
King KEA 129 $1,880	14/28/ .12 (14V) .15 (28V)	– 1000 to 20,000 ft	3-pointer	Optical	1.8/	3.25/3.25/ 4.6	1 yr p&l	Yes	Barometer set shows millibars & inches. Price incl install kit. Includes lights
King KEA 130 $2,069	14/28/ .12 (14V) .15 (28V)	– 1000 to 35,000 ft	3-pointer	Optical	1.8/	3.25/3.25/4.6	1 yr p&l	Yes	Barometer set shows millibars & inches. Price incl install kit. Includes lights
King KEA 346 $0,255	28V/.35	– 1000 to 50,000 ft	Counter drum-pointer	Optical	2.9	3.25/3.25/ 9	1 yr	Yes	Dual barometer set in in. Hg & millibars; int lighting; provided servoed output for alt preselect & alert
Kollsman B4515210003 $5,500	115VAC, 400Hz or 24VDC	50,000 ft	Counter-drum-pointer	Optical	2.5	3.13 dia./4.75	1 yr	C-10b	N/A
Kollsman B4545110001 $1,895	14 or 28	20,000 ft 35,000 opt	Triple pointer	Optical	2.5	3.13 dia./5.3	2 yr	C-10b	N/A
Narco AR-500 $850	11-32/ .2	– 1000 to 25,000 ft	None, blind encoder	Aneroid	1.0	3.5/3.5/4.75	1 yr; 2 yr opt	C88	Digitizer only; remote mounted

Other avionics *Radar altimeters*

Manufacturer/Model Price	Input (VDC/amps) Output (mw)	Features included	Type of display	Alt. range/DH warning	Accuracy (ft/%)	Weight/Panel size (H) (W) (D)	Warranty/TSO	Remarks
Collins ALT-50A $9,440	28/.85/ 150	Adjustable DH	Digital	0 to +2000/ Light	±2 or 2%	6.7/ .83/3.38/ 4.5	1 yr/ C87	Incl DRI-55 indicator & 2 ANT-52 ant
Collins ALT-55B $11,160	28/1.1/ 330	Adjustable	Digital	0 to +2500/ Light	±2 or 2%	6.7/ .83/3.38/ 6.0	1 yr/ C87	Incl DRI-55 indicator & 2 ANT-52 ant
Collins FPA-80 $7,908	28/.5/ N/A	Approved under Part 135.153(b) as an alternative to GPWS	Digital; voice storage	0-2000/ Aural	Works w/radar altimeter	2.9/ 3.3/2.25/ 12.5	1 yr/ C87	Aural call outs for radio alt, decision ht, GS & LOC dev, trim failure, att dev, preselected baro alt dev, & gear not down
King KRA 10A $3,575	28/.02/ 15	Single ant, DH adjustable	Pointer & dial exp 20' to 2,500'	20 to 2,500'/ Light & aural Movable B45	100-500' ± 5% 500-2,000' ±7%	3.8/ 3.1/3.5/8	1 yr/ No	14V requires KA 133 conv-$130. Cert prior to explosion testing
King KRA 405 $8,645	28/.85/ 150	2,000 ft disp (internal 2,500 ft capability for use w/grd proximity systems)	Pointer & dial with lite	–20 to 2,000 ft/ Movable bug	0-500 ft = 5 ft or 5% (whichever is greater) 500-2,000 ft ±7%	10.75/ 3.26/3.26/ 6.61	1 yr p&l/ Yes	Opt expanded scale (–10 to 200 ft) KNI 416 ind for helicopters; rem R/T. Incl ind, R/T, 2 ant & install kit
Sperry AA-300 $10,844	28/1.5/ 70	Expanded scale	3" pointer	0'-2500'/ Lite	0-100, ±5, 100-500, ±5%, 500-2500, ±7%	6.75/ 3.3" dia./ 4	1 yr/ Yes	Rising runway output; solid state R/T

Other avionics *Transponders*

Manufacturer/Modal Price	Input (VDC/amps) Output (watts)	Features included	Modes/Class	Weight/Panel size (H) (W) (D)	Warranty	TSO	Remarks
Bendix TRS-42A $6,680	18...7/.9/ 325	LSI encoder/ decoder. Auto VFR chan enc alt disp LCD disp	A & C w/B capability/ 1	5.8/ 3.1/2.5/2.5	2 yr	C74c	One control will work two RT'S. ARINC 429 Dichroic display opt.
Collins TDR-90 $6,000	28/1.9/ 500	CTL-90 elec-tronic ctrl head	A, C/ 1	4.9/ 3.13/2.5/6.5	1 yr/	C74b, C74c	Man reply-lite dimmer; includes CTL-90 electronic ctrl; opt CTL-92 w/CAD-62 adapter for serial digital tuning w/2 stored codes
Collins TDR-950 $1,195	14, 28*/ 1.0 (14V)/ 250	Self test	A, C/ 1A	2.0/ 1.6/6.3/8.2	1 yr	C74c	Manual reply-lite dimmer; opt remote ident; *Adapter, $70
King KT 76A $940	14/28/1.8/ 250	4096 codes, encoder interface	A & C/ 1A	3.10/ 1.63/6.25/ 10.0	1 yr p&l	C74b	Panel mounted. 28V conversion kit $25. Remote ident capable
King KT 79 $2,535	11-33/ 14V-1.78 28V-1.04/ 250	Dig Disp of enc alt & ATC code, pshbtn VFR code, sel	A & C/ 1A	3.4/ 1.3/6.25/ 10.5	1 yr p&l	C74b	Panel mounted. Remote ident capable
King KXP 756 $5,360	28/1.3/ 250	Dig disp of enc alt in FL, test mode, pshbtn VFR code sel	A, B & C/ 1A	4.70/ 2.35/2.193/ 4.0	1 yr p&l	Yes	Remote mounted, 4096 codes, alt reporting. Remote ident capable
King KXP 7500 $9,632.	115VAC/ 0.35/ 350	ARINC 572, solid state trans	A B & C/ 1A	9.0/ Std ARINC 3/8 ART Sht	1 yr p&l	Yes	Mounting Tray and connector $616.00. Does not include Code Selector. ARINC 532 adapt avail.
Narco AT-150 $950	14/28*/ 1.6/ 250 nom	Remote ident, self test	A, C/ 1A	3.0/ 1.75/6.25/ 11.25	1 yr, 2nd yr opt	C74c	Manual reply-lite dimmer. *28V requires converter

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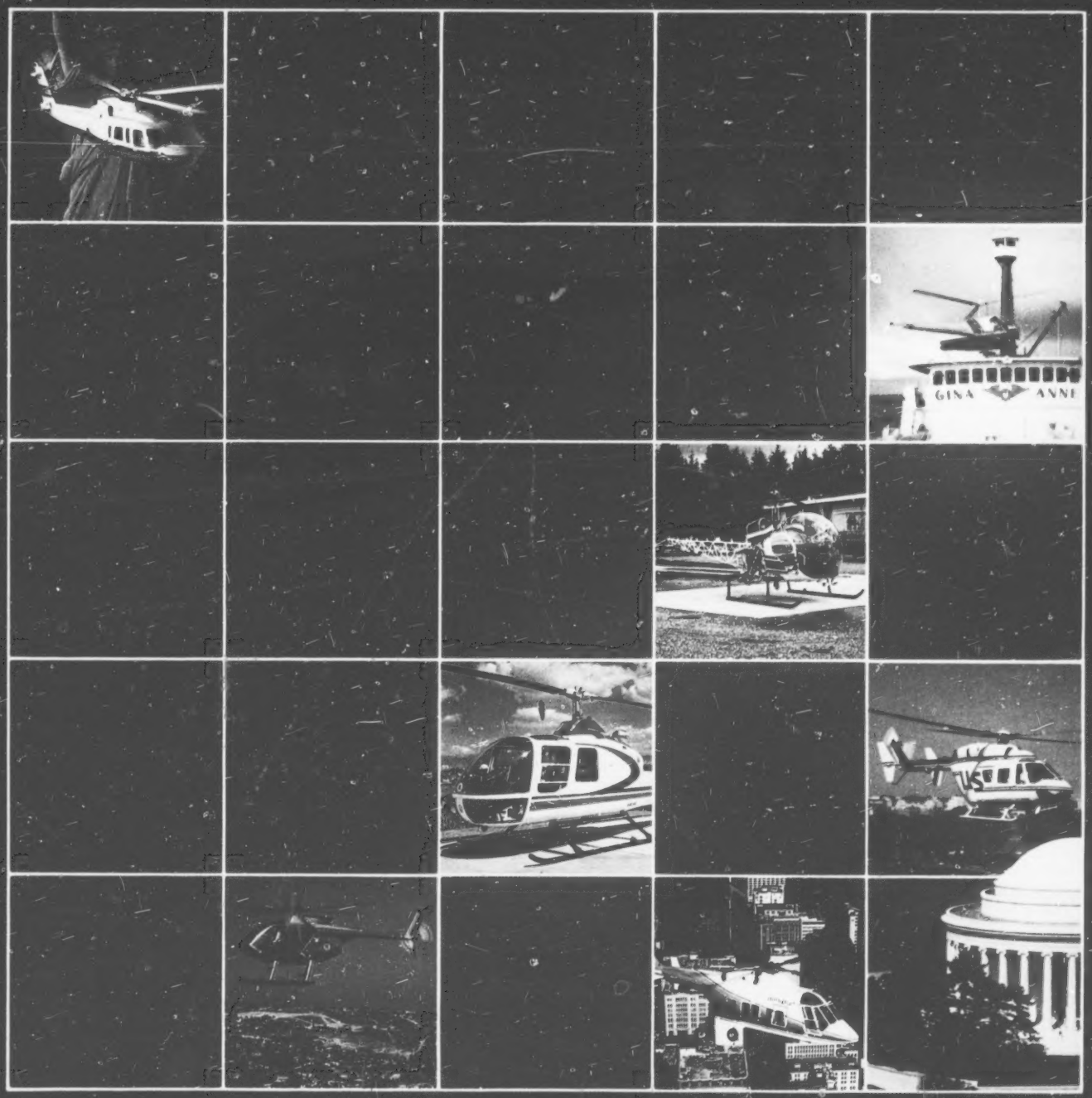

The challenge and the satisfaction . . . a career with helicopters

by Carl F. Brady

The unique and continually evolving bond between man and machine

The helicopter industry is as fascinating and challenging as any I can think of. From infancy, its growth and success have depended upon the hard work, skill, dedication, cooperation, and teamwork of pilots, mechanics, scientists, engineers, technicians, field crews and businessmen . . . and a unique and continually evolving bond between man and machine.

The first helicopter I flew was a Bell 47, owned by Central Helicopters. I had returned to Yakima after flying nearly every type of airplane in the Army Air Corps' inventory, and now I wanted a helicopter rating. That first helicopter would barely get out of its own way on a hot day.

Once rated, I went to work as an instructor for Central, based in Lake Union, Seattle. I had 22 helicopter flight hours at the time. One of our first students was a fine pilot named Nancy Livingston. Nancy, with her husband Arlo, later founded the well known and respected Livingston Copters, of Juneau, Alaska.

Among my most memorable experiences as an instructor — and of my entire career — was teaching Carl Agar to fly helicopters. Carl, a true pioneer, later founded Okanagan Helicopters.

By January 1948 I had teamed up with Joe Scaman and Don Larson of Central. We formed a partnership to spray and dust crops with airplanes and helicopters. This company later became known as Economy Helicopters.

Those early days were quite challenging. We had little cash; our main resources were hard work and dedication. In the 1940's helicopters were still fairly recent on the aviation scene. Commercial applications had yet to be developed. We had to figure ways to put this unique machine to good use. We knew it had tremendous potential, but we had to find and develop that potential.

We tried everything!

We hauled Santa Claus to department stores. We performed at air shows. We made a number of rescues. We hunted coyotes. We chased bandits. We herded cattle, elk, and wild horses. We sprayed wheat in eastern Washington and northern Oregon — apples, cherries, and pears in central Washington. We re-seeded forests in Washington and Oregon. We helped map remote areas of Alaska. It was a life of constant challenges and new experiences.

We soon learned that spraying and mapping were the areas where we needed to concentrate our efforts. We developed our own techniques, designed and built our own equipment. Joe our "research chemist", Don our "entomologist." I was the pilot, mechanic's helper, repairman and handyman.

Mapping brought us to Alaska and our most demanding flying challenges. In the spring of 1948, we won the bid on an experimental topographic mapping project on Chichagof Island. On June 18, 1948, I arrived in Juneau with Alaska's first commercial helicopter to perform this job.

The next 90 days taught us a lot: mountain landings with marginally powered equipment; caster wheels and no brakes. Bad weather; maintenance, logistics and living in the bush; a lot of things we never had expected. Our pioneering efforts led to many more years of mapping throughout remote regions of Alaska.

By 1952 we had grown to five helicopters, and we were facing stiff competition for Alaska mapping projects. Our major competitors were Rick Helicopters, owned by James Ricklefs of San Francisco, Rotor Aids, owned by Joe Seward and Roy Falconer, of Ventura, California, and Kern Copters, owned by Elynor Rudnick, of Bakersfield, California. These were tough competitors, but there always was a spirit of cooperation when it came to safety, parts and maintenance in the bush.

One summer Roy Falconer and I were both flying in the same part of Alaska. His camp had better food, which he would share with us. We helped each other with maintenance, parts and flight following. Years later, Roy, Joe Seward and I formed ERA Helicopters, Inc.

By the early 1950's the public and the business community were becoming more aware of helicopters and their potential uses. I believe the Korean War, with its medevac missions, did more to demonstrate helicopter opportunities than any single event since helicopters were invented. The Korean War also trained many skilled pilots and mechanics, who made invaluable contributions to the advancement of commercial helicopter applications.

In 1953 oil companies began considering helicopters for surface geology work in Alaska. Later in 1954, we worked our first full summer of geological surveying.

Soon the needs of geologists and map makers were calling for landings at 8,000 and 9,000 feet, with equipment that was not designed to go much above 5,000 feet. The market was creating a need for more powerful helicopters. Manufacturers were trying to design and build them. In the meantime, pilots were developing skills and techniques to work with available equipment.

We learned to gauge winds, updrafts and downdrafts. We learned how to run out of altitude, airspeed, and vertical speed simultaneously at the precise landing spot — because the helicopter would not hover once we got there. Then we would depart very light, or rev up and leap off a ledge to get flying speed. We learned to . . . because we had to. And we did it safely.

Soon customers' needs for helicopters began expanding in size and scope, and in ways that sometimes exceeded the capacity of any one helicopter company. In 1956 Economy teamed up with Kern Copters and Rotor Aids in a joint venture to provide six helicopters for mapping operations in the Brooks Range. In 1957 Economy and Rotor Aids formed a joint venture to purchase two large helicopters capable of carrying 1200 pound sling loads. The oil companies needed these to move "dog houses" in seismic operations on the Kenai peninsula.

Besides founding and leading ERA, Mr. Brady has served as president of the Anchorage Chamber of Commerce, president of the Alaska Crippled Children's Association, president of the Petroleum Club of Anchorage, and as the Chairman of the Anchorage Electric Utilities Commission. He served two years (1965 and 1966) as a member of the Alaska House of Representatives and two years (1967 and 1968) as an Alaska State Senator.

Mr. Brady currently serves on the Boards of Directors of the Alaska Pacific Bank, the Providence Healthcare Foundation and Commonwealth North. He is a member of the Alaska Air Command Civil Affairs Board and the National Advisory Committee for Oceans and Atmospheres, appointed to the latter by President Reagan in 1981. He is the Belgium Consul for Alaska.

Mr. Brady received the HAI Lawrence D. Bell Award in 1976.

The Challenge *(cont'd.)*

A few more Economy-Rotor Aids joint ventures followed. In 1960 we made the arrangement permanent, forming ERA Helicopters, Inc.

Oil was discovered on the Kenai Peninsula in July 1957, and the search for oil in other parts of Alaska began in earnest. This introduced us to cold weather work on the North Slope.

This lead to new and different challenges. We faced wind chill factors to 100 below. We took our oil and batteries to bed with us at night, heating the oil on a stove in the morning. Early morning hours were spent preheating the helicopters with Herman Nelsons. We learned to perform maintenance in the cold and dark. The cook shack, sleeping quarters and offices were towed over the ice and snow by Cat Trains. Many times weather forced us to leave the helicopters behind, backtracking a day or two later to retrieve them.

Oil was discovered in the Cook Inlet in 1963, and ERA was there with offshore operations. We established shore bases at Nikishka and Rigtenders, with our first turbine-powered equipment.

Oil exploration in other parts of Alaska, particularly on the North Slope, continued to flourish.

By 1967 ERA operated 20 helicopters in Alaska. We were a healthy, growing company. However, we needed to expand more rapidly to meet our customers' needs. To accomplish this we needed a sizeable infusion of capital — another partner. Rowan Drilling Company became that partner, and ERA became a part of the Rowan Companies. Rowan provided the financial strength to assist us in our expansion plans.

Oil was discovered in Prudhoe Bay in February of 1968, and the need for helicopter services expanded dramatically. We were also beginning to see the influence of the Vietnam War, which demonstrated new advances in helicopter technology and applications. This war, too, gave us many skilled and dedicated pilots and mechanics.

Advances continued at an accelerated rate. We kept upgrading our fleet, acquiring newer and more sophisticated equipment. We kept improving old skills and procedures and developing new ones.

We developed all-weather helicopter capabilities in the 1970's, becoming the first U.S. carrier to be certified for commercial IFR helicopter operations. We developed techniques for flyng far offshore, locating the rig, and making an airborne radar approach to minimums of 200 feet and one half mile. We also learned to deliver sling loads IFR, even in the blackest Arctic night.

Today, ERA operates more than 115 helicopters, primarily in Alaska and the Gulf of Mexico. We also operate 16 airplanes, including Convair 580s, Twin Otters, Learjets and a DeHavilland Dash 7. We are our own toughest competitor. We are proud to say that we are known by the Company we keep.

The future for helicopters looks very bright. New helicopters will be faster and carry heavier payloads. They will be even more reliable, more efficient and less costly. Something like the tilt rotor concept will see large scale application in travel between city centers 300 miles apart and transportation to rigs 150 miles or more off shore.

My own career has been blessed with five outstanding partners, a lot of loyal employees, good customers, and some very satisfying work. These same opportunities — perhaps even greater opportunities — are there for the young men and women starting out today. If I were a young pilot today, I would work my tail off until I could buy my own helicopter — and do it all over again.

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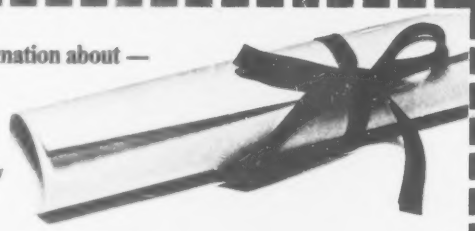

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The New Orleans heliport . . . continuing a transportation tradition

by Leslie V. Sagar

Designated in 1983 as national prototype heliport

Since the city's founding in 1718 by Jean Baptiste Le Moyne, Sieur de Beauville, New Orleans has always had a vital interest in transportation. The city's location, on the banks of the Mississippi River, was chosen by the early French settlers because of its proximity to the Gulf of Mexico and the navigable river and sea routes. New Orleans quicky became a regional center for trade and commerce, and continued to grow and thrive over the years as new forms of transportation developed. The railroads, highways and aviation have all complemented the city's status as a major port in the United States. New Orleans is noted for its 50 miles of dock and wharf facilities along the river and over 100 regularly scheduled steamship lines. There are also eleven railroads, over 60 motor freight lines, and 26 regularly scheduled air carrier and commuter airlines which serve the city.

Although the river is a dominant force in the life of the city, the people of New Orleans have held a fascination for aviation since its inception. Even the Great Depression could not dampen the city's enthusiasm for aviation. In 1934, Lakefront Airport was constructed on land "claimed" from Lake Pontchartrain through a major landfilling project. The airport, which celebrated its 50th anniversary last spring, was the first of its kind in the South and was considered a forerunner in airport design. With the advent of larger airplanes which required longer runway lengths for takeoff and landing, a decision was made in 1946 to move the air carrier operations to Moisant Field, now known as the New Orleans International Airport. This airport, located fourteen miles west of the city, is now a large hub airport with over six million enplanements per year.

Helicopter Operations

Stimulated by the growth of the offshore oil and gas industry in the Gulf Coast region, the number of rotorcraft operations has increased dramatically in the last fifteen years. The total number of helicopters based in the Gulf Coast region increased from 153 in 1970 to 1,400 in 1984. The Gulf Coast energy market provides the largest commitment of civilian helicopters to a single industry in the world. Over 1,000 helicopters from more than 50 bases serve over 1,200 offshore platforms. Although there are more than 100 heliports in Louisiana, only two are public-use heliports.

In 1980, the Regional Planning Commission, along with the City of New Orleans and the Louisiana Department of Transportation and Development, recognized the potentially large demand for a centrally located public-use heliport within the New Orleans central business district, and applied for federal funding through the Federal Aviation Administration's planning grant program. It was recognized that a downtown heliport would be utilized by civilian rotorcraft owners and operators, such as corporations, air taxis, hospitals, and government agencies. In 1980, the FAA awarded a planning grant totaling $41,000. Hoyle, Tanner and Associates were selected to perform a heliport site selection and master plan study. After evaluating four sites, it was determined that the preferred site was the planned location for the 1984 World's Fair, so an alternate site near the Union Passenger Terminal Station was then selected.

The 6.2-acre heliport site is located just a few blocks from Poydras Street and the heart of the central business district. The site is bounded by the Superdome to the north, the Pontchartrain Expressway to the east, and Claiborne Avenue to the west. Historically, the site was utilized as a loading area adjacent to the railroad station. The old Railway Express Agency building and loading docks, which are still present on the site, will have to be demolished prior to construction of the heliport.

According to the planning study, the heliport location will allow three approach/departure paths which generally parallel the Pontchartrain Expressway and Claiborne Avenue. From data obtained from a questionnaire survey of helicopter owners and operators in the Louisiana Gulf Coast region, corporate and executive helicopters will be the primary users of the heliport. Peak operations at the heliport are expected to be on the order of 106 operations per day initially, and are expected to more than double during the next 20 years.

In order to meet the user demands, the planners determined that the heliport facilities should consist of a touchdown pad for medium class helicopters, a passenger boarding apron, a 4,000 square foot terminal building, parking aprons for light and intermediate class helicopters, underground fuel storage and dispensing systems, and an auto parking area.

In 1982 and 1983, FAA awarded two grants totaling $1.4 million to the City of New Orleans for the engineering design and construction of the heliport, and in March 1983 the joint venture of C&S Consultants and Espey, Huston & Associates, was selected to perform the engineering design of the heliport. In addition to designing the heliport facilities, C&S/EH&A is also responsible for the following:

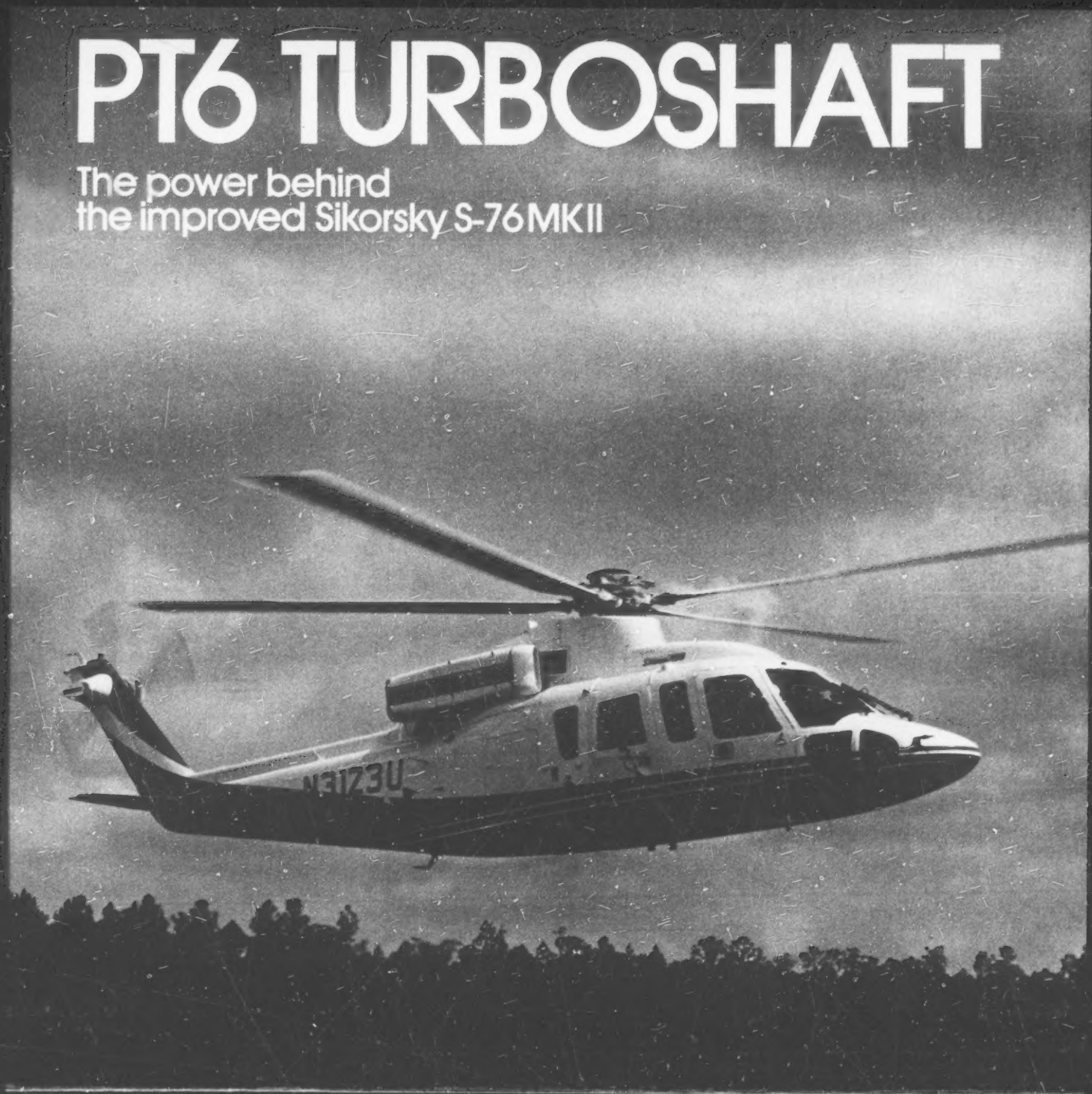
- — design for demolition of existing structures on the site;
- — relocation of the numerous overhead electrical power lines to underground conduit or to shorter power poles; and
- — relocation design of Julia Street, the city street adjacent to the site, and the various utilities within the street right-of-way (water, wastewater, gas, electric, storm sewer).

In September 1983, New Orleans was one of four cities selected as a demonstration site for a national prototype heliport. The prototype designation entitles the New Orleans heliport to receive the latest navaid equipment, such as the microwave landing system (MLS). When completed, the New Orleans downtown public use heliport will become a part of the city's multi-modal transportation system, a system that has contributed to the importance of New Orleans as a regional center for trade and commerce.

Ms. Sagar is employed by Espey, Huston and Associates, Inc. (EH&A) of Austin, Texas as a Staff Engineer. Since April 1983, she has served as the Project Coordinator for the New Orleans Downtown Public Use Heliport project while also serving as the Project Manager for the EH&A heliport design team. Ms. Sagar's engineering experience includes heliport and airport planning and design, and she is a graduate of the University of Texas at Austin with a B.S. degree in Civil Engineering.

PT6 TURBOSHAFT

The power behind the improved Sikorsky S-76MKII



UNITED TECHNOLOGIES
PRATT & WHITNEY CANADA

Sky 12, gathering news in the Valley of the Sun *by Jerry Foster*

A 24 hour-a-day, 365 day-a-year operation

It happened when I was a seventh grader. Standing with friends in a schoolyard, we were awed as a helicopter approached, circled and then before departing . . . the pilot waved. That moment signaled for me a lifelong love affair with the helicopter.

Two decades as a newsman has put me at the controls of aircraft ranging from a McCulloch Gyroplane to a sleek Bell Long Ranger. But my first real break came in the early 1960's when I was doing traffic reports for a radio station, when it occurred to a TV executive that the marriage of TV and the helicopter could be a successful one. I agreed and we tried it.

Television news then and now is dependent on getting the story on the air first. By 1969, we had the ability of filming late-breaking news and flying it back to the studio quickly, thus giving us an edge over competing stations.

Another edge was law enforcement agencies were starting to pay attention to us. I was flying the only television helicopter in Arizona then, and we were pretty hard to ignore. Before long, we were assisting in searches and rescues, in addition to getting exclusive stories.

1978 was the turning point for me, and TV helicopters. I started working at KPNX in Phoenix that year, joining the jet age with a Hughes 500 . . . and I did the first live TV broadcast from a helicopter.

If any television market were ideally suited for helicopter use, it's Phoenix. The eleventh largest city in the United States is growing at a tremendous rate, with 4,000 newcomers every month to the "Valley of the Sun." In an area ringed by mountain ranges, Phoenix is the hub, with spokes strung out in all directions.

It adds up to suburban sprawl. The outer edges have terrain that makes land travel difficult and sometimes impossible, especially during severe weather. Rain here in the desert isn't like rain anywhere else . . . a fifteen minute downpour from a violent thunderstorm can turn an arid desert into one gigantic, deadly, instant river of mud and debris. Twice within the last four years, parts of the valley were inundated in what were called "Hundred Year Floods."

It is little wonder that all three network affiliated television stations in Phoenix now have helicopters that are used as an integral part of the stations' news operations.

News doesn't stop at 5 o'clock, or on weekends or holidays; our helicopter here at Channel 12, called "Sky 12" is really a 24 hour-a-day 365 day-a-year operation. Our helipad is located on top of our TV station in downtown Phoenix. When I go home, so does Sky 12, landing on a pad just 100 feet from my bedroom door. Within minutes after receiving a call from either the newsroom or a law enforcement agency asking for help, Sky 12 can be in the air and on the way to a breaking news story. With three helicopters in this market, the saying goes, "If you snooze, you lose."

Therefore, it is not uncommon for us to go out on several stories every day. Often, we will be out on one story when another story breaks. We will virtually hop from one story to another.

It is the nature of the news business that stories seem to break near or past deadline. Often, we find ourselves out on a story at airtime. That's when helicopters in news coverage are essentially more than just a promotional toy or gimmick.

Sky 12 is outfitted with several unusual instruments. One is an automatic microwave tracking system (Tayburn). This enables us to report live from virtually anywhere within a 100 miles radius of our transmitter. We also have the capability to beam our stories back to the newsroom.

To help us keep track of what is happening and where, Sky 12 is outfitted with remarkable radio equipment. A DF tracking system helps us in locating downed aircraft; a Flexcom radio system allows us to monitor all UHF and VHF frequencies; there's a mobile telephone to insure privacy; and a two-way radio system keeps us in touch with the station's newsroom and news cars. If anything is broadcast, we can receive it! We conservatively estimate 3,000 stories each year are contributed to our newscasts because of our mobility and fast response.

In recent years our non-news responsibility has lessened. Law enforcement agencies in Arizona now have access to the Arizona Department of Public Safety, operators of five LongRangers, equipped for most any medical emergency or law enforcement problem. Larger cities and counties now operate their own aircraft too. Two major hospitals have a fleet of larger helicopters, Agusta and A-Stars, complete with doctors and paramedics. The number of lives saved during the past decade is staggering, because of the quick response time of these dedicated crews.

But Sky 12 still responds to the call for help. Some of our more dramatic stories involve rescues during violent floods. Many times, motorists become trapped in their cars when a low-lying gully suddenly becomes a river. Because of the maneuverability of Sky 12, we often get called by law enforcement agencies to rescue the trapped people.

Searching for lost hikers, drowning victims, and downed aircraft fill the log books of Sky 12. But we do more than that. We also go to the beautiful, out-of-the-way places in Arizona that can ony be seen by helicopters. We give our viewers sights they could never see without the aid of Sky 12, taking them along as passengers through the magic of television.

Times have changed for Sky 12, from being the only news helicopter in town, to affecting dramatic rescues, to being the eye in the sky for our station.

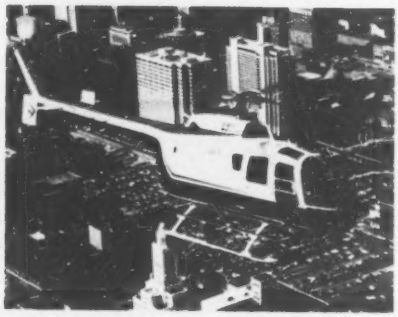
Looking back, the most rewarding thing is the exposure of the helicopter we give to our "future" . . . to the children. We visit countless schools each year, explaining the working of the helicopter. Judging from the greetings we get, those kids certainly know us from TV! That's probably the greatest personal gift Sky 12 could give to me . . . to reach a child as that pilot inspired me, at that school yard so many years ago.

Jerry Foster, pilot, reporter, photographer, search-and-rescue professional and recipient of the coveted Harmon Trophy.
His career as a pilot began in 1962. He soon added commercial, multi-engined, instrument and helicopter ratings to his private license. He served as instructor and charter pilot for Cutter Aviation and as co-instructor at the U.S. Primary Helicopter School.
Jerry's career in broadcasting began in 1971. In 1978, he joined KPNX-TV as the pilot of SKY-12, one of the first jet helicopters used in television newsgathering.
His many journalistic honors include the National Academy of Television Arts and Sciences Board of Governors Award, the Helicopter Association International's 1979 Excellence in Communications Award, and an Emmy for a spot news report entitled "Shooting Chase Suspect."

If you fly these helicopters,

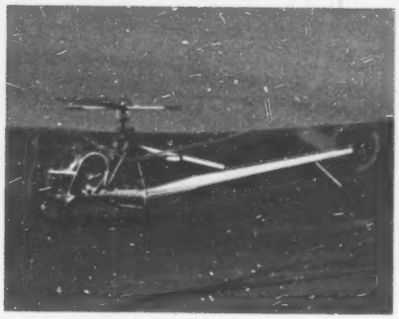
BELL 206

HUGHES 500E



MBB BO-105

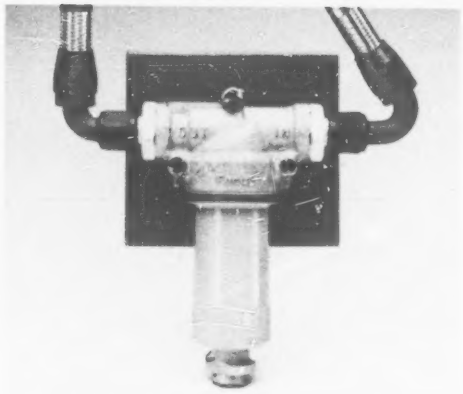
BELL 47



HILLER 12E

AEROSPATIALE 355 TWINSTAR

you need this filter.



The remarkable Facet Scavenge Oil Filter System. Designed for the Bell 206 Series, Hughes 500 Series, Messerschmitt-Bölkow-Blohm BO-105, Bell 47, Hiller 12E and 12D Soloy Conversion and the Aerospatiale 355 TwinStar.

The Facet Scavenge Oil Filter System works with your aircraft's existing filter to solve the problems caused by carbon buildup in turbine engines.

It has a 10-micron element that cleans the oil of metal in suspension which ends up as paste. This paste can accumulate on the magnetic plugs and prevent pilots from receiving important warning signals.

And because the Facet Scavenge Oil Filter Sytem is located between the engine and the oil cooler, it protects your oil cooler from damage caused by metal chips.

The Facet Scavenge Oil Filter System cleans oil better than factory equipment—by reducing carbon buildup that can clog the lines supplying oil to your bearings.

It keeps your oil so clean, you'll double the time between oil changes. So you save money. Reduce maintenance costs. And cut downtime.

The Facet Scavenge Oil Filter System is available in an easy-to-install kit.
It protects your aircraft.
And it protects you.

Facet

Filter Products Division
Facet Enterprises, Inc.
8439 Triad Drive
Greensboro, North Carolina
27409-9621
(919) 852-6800 • TWX 510-922-7331

What can we do with a helicopter?

by Ted L. Olson, Jr. and **Tom Lynch**

Modern technology redifines the role of the helicopter

When people are asked to describe the possible uses of a helicopter, the answers can be remarkably diverse. We like to assume this is because helicopters are such versatile machines. True enough! But the TV viewing public also wonders why helicopters don't use the "whisper mode" portrayed on TV's semi-fictional "Blue Thunder" series. Hollywood can play a large role in the development of the helicopter's public image, accurate or otherwise. The depiction of helicopters on the silver screen at mach speed has probably caused more than one commuter to wonder why it still takes an hour to go 150 miles.

People can't be blamed for such ideas. It's challenging, even for those of us in the industry, to stay abreast of rapidly advancing technology, much less the steady development of new helicopter uses. The industry's transition from white scarf to white glove is underway, but such changes do not come about without growing pains.

The military has traditionally provided the cutting edge of new technology. Their romance with helicopters began over forty years ago, when nearly all available power was used just to lift a ship's own weight off the ground. It was a time when coffee grinder radios, a dazzling assortment of dials, knobs, and switches, clumsy levers, and analog gauges all collided on the console, competing for our attention. Learning to master the art of autorotation became the premier skill in every pilot's repertoire, and one of the most often used.

Fortunately, modern technology has diminished such frequent need of those skills. IMC capabilities are now reality, and more requirement than luxury. Turbine engines have redefined safety and efficiency, and twins afford increasingly better redundancy. Digital radios and screen displays are easily controlled through simple cyclic switch inputs, and approaches to low minimums in poor weather are more a measure of complete piloting skill.

The military provides the helicopter industry with a majority of its R&D, the future commercial applications of which are limited only by cost and the reaches of our imaginations. Such wonders as multiplexing, fly-by-wire and fiber optic control systems, and composite structures represent advances which exist today. The appeal of these current technologies is obvious: any opportunity to significantly reduce both empty weight and maintenance complexity spells increased operational productivity. But just on the horizon lies even further excitement and promise.

Single pilot cockpits

One of the leading areas under research in the aviation industry today is human engineering. As aircraft systems become more complex and sophisticated, can a mere mortal pilot, all alone, safely and successfully manage his busy cockpit? This question highlights one of the most exciting areas being explored, the military's experimental light helicopter program. The new LHX will eventually replace eight of every nine light helicopters in the Army, perhaps 3,000 more in the other services, and is described as "the largest peacetime helicopter program in history." General consensus is the LHX will be a 7,000 pound aircraft, capable of performing a wide variety of military and general utility missions, under virtually all flight and weather conditions, and quite probably with a single pilot cockpit.

How can pilot workload be reduced to a manageable level, while compromising neither safety nor efficiency? Use of a single multi-axis sidearm controller to replace the traditional flight controls is under consideration, as is the use of voice actuated commands to direct the aircraft and its systems. Casual banter with the instrument panel may even provide a welcome source of comfort and companionship to the single pilot in tomorrow's cockpit!

Future military requirements may dispense with clear plexiglass canopies altogether, using instead video screen symbology to display inputs for virtually all flight regimens, including the hover. While such an extreme may seem impractical and unnecessary in commercial applications, a video system able to supply all outside visual cues could eventually do away with weather minimums entirely.

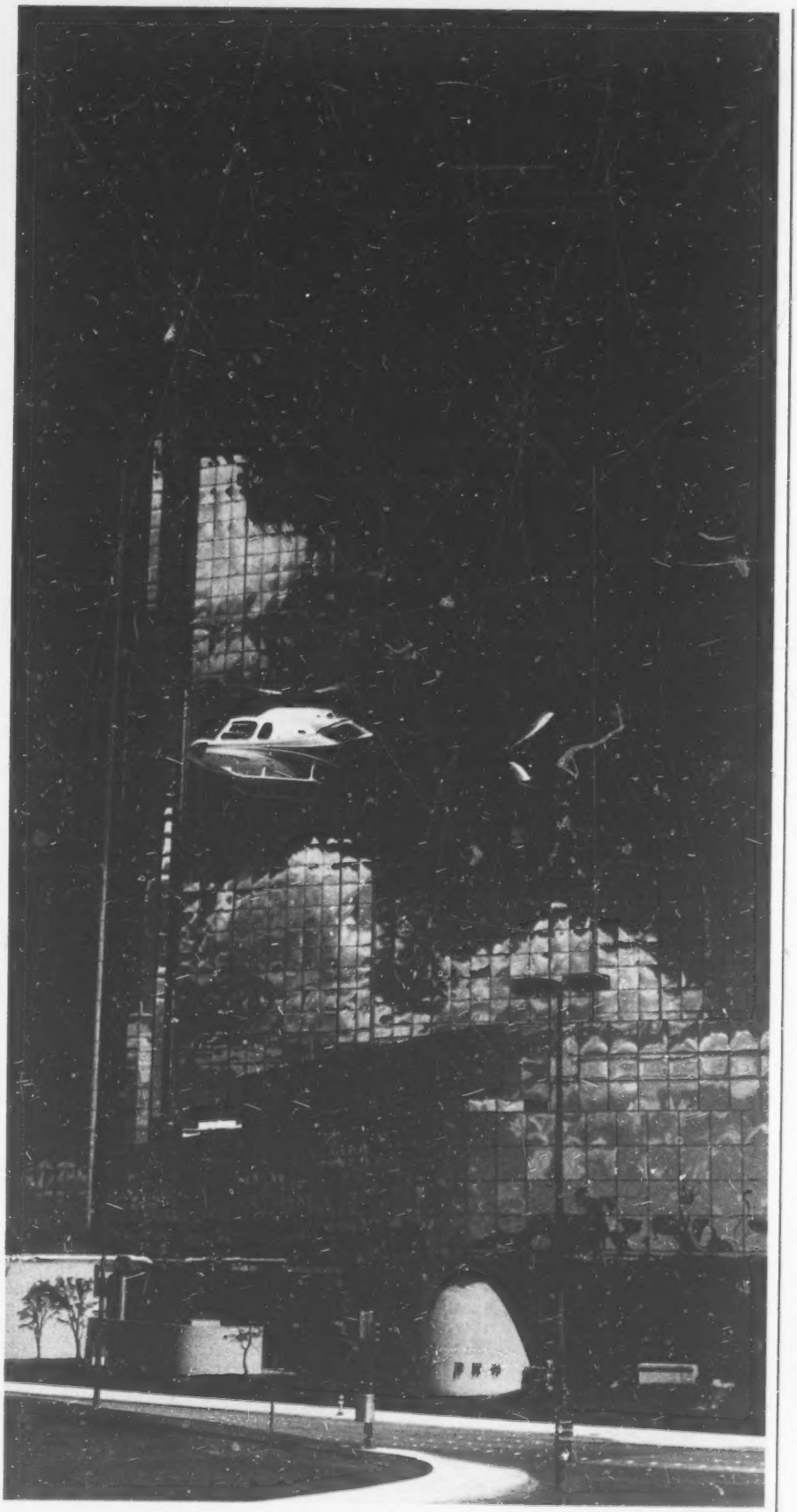
Video systems might be augmented with a veritable alphabet soup of new visionics technology, such as FLIR, PNVS, NVG, and DVO (Forward-Looking Infrared Radar, Pilot Night Vision System, Night Vision Goggles, and Direct View Optics). And, what if portable landing navaids, possibly the new MLS (Microwave Landing System), could be carried in emergency road vehicles? Imagine being able to approach an area and see obstacles through fog or rain, on the blackest of nights, in any weather!

Picture the advantages to the EMS pilot, called out on a hazardous night to the scene of a highway accident, already crowded with cars, trucks, and various emergency vehicles, the area surrounded by a maze of trees, telephone poles, wires, light towers, bridge overpasses, and fences . . . how is the pilot going to get there, land, and return to the hospital? Visionics technology will make it possible, and safe.

Certainly most pilots have found themselves in these critical situations at one time or another. Often it is a life or death situation, and it's difficult to avoid personal involvement beyond what safety

Ted Olson, President of Helicopter Consulting Associates, has been active in the helicopter industry for over 15 years, beginning as a US Army pilot and flight standards instructor. He has flown and managed a wide variety of helicopter operations throughout the world, ranging from onshore and offshore oil support to airtaxi and general utility. Mr. Olson holds a helicopter Airline Transport Rating, is a graduate of the University of Southern California's Institute of Aviation Safety and Systems Management, and holds a degree from Bakersfield College.

During his 17 years in rotary wing aviation, Tom Lynch has served on the staff and faculty of the US Army Transportation Center at Fort Eustis, Virginia, and attended the University of Southern California's Aviation Safety School. Holder of an ATP helicopter rating, his flying duties have included assignments in Asia, the Middle East, and Alaska. Before joining Helicopter Consulting Associates, Mr. Lynch worked as a marketing representative for Hughes Helicopters Inc. in Culver City, California.



What can you do (cont'd.)

considerations might otherwise dictate. Judgment and abilities can be quickly pushed to the limit. Surely, the incredible advantages in emerging visionics technology will turn the tide in the pilot's favor, and all of us in the helicopter community will benefit, whether corporate, offshore, commuter, law enforcement, agriculture, or utility.

Compound technology, Heliports, and the future

Finally, we have the compound helicopter, a hybrid aircraft which is neither airplane nor helicopter. Pure helicopters have already crowded the limits of their airspeed envelope, and are aerodynamically incapable of going much faster. But what could an aircraft do with the cruise speed of an airplane, combined with the landing profile of a helicopter?

Consider the implications of expanding the distance we commute to work each day, from a typical radius of 30 miles, to perhaps 300 miles . . . we might eventually see commuter schedules for helicopters replacing those of buses and trains! If innovations like the Washington Metro, San Francisco's BART, and the bullet trains of France and Japan have changed the complexion of the "bedroom community," then the compound helicopter would indeed create a revolution! Heliport terminals would reduce departure and arrival hassles . . . traffic congestion, emergency services (including critical organ transplants), shopping, entertainment, schooling, even our choice of friends and associates would be affected . . . and businesses could resettle in cheaper outlying areas, reducing the cost of their goods and services.

The proximity of home to work has steadily increased in this century, thanks largely to the enormous impact of the automobile. With the widespread development of public use heliports, we will travel door-to-door rather than airport-to-airport, covering greater distances in less time. These clear advantages can truly revolutionize the commuter airline industry, and the basic lifestyle of our society.

The helicopter is indeed catching the public's imagination. This is a very positive force, which can and should be used to our advantage.

What is the future of the helicopter? It lies in the imaginations of our industry and the highly developed research technologies.The pilots and engineers of the future are in our neighborhood video arcades right now, shooting down alien star cruisers, and learning to read and react to digital symbology. They are all on converging courses. It is only a matter of effort and time before we witness this new helicopter future.

An innovative machine . . . to face new frontiers

by John F. Ward

Design considerations for the next generation of rotorcraft

During the last decade major improvements have been made in helicopter design capability as a result of substantial research and development investments by government and industry. As a result, the state-of-the-art of rotorcraft designs has matured significantly. This is impacting the new designs now being prepared for the next generation of civil and military rotorcraft. In order to realize the long term growth potential of civil helicopter usage, the mission capabilities, cost effectiveness and operational reliability of the new designs will receive increasing attention. The need to address these areas was highlighted in the 1980 Advanced Rotorcraft Technology Workshop under the joint auspices of the Helicopter Association of America (subsequently renamed the Helicopter Association International, HAI) and the National Aeronautics and Space Administration (NASA) in Palo Alto, California. The Workshop General Chairman, Glen A. Gilbert representing the HAI, extended an invitation to helicopter operators to participate with NASA, FAA, and industry to provide guidance in the preparation of the workshop output which summarized user needs, and technology requirements. The output, presented in seven volumes, including an Executive Summary, provided a valuable baseline and guide to government and industry.

The 1980 Workshop Final Report, together with a number of other meetings, workshops, and the recommendations of technology advisory groups, has provided NASA with useful guidance in the planning and conduct of a continuing rotorcraft program. The HAI has played a role in the NASA program planning since 1978 when a special task force was convened by NASA to prepare a 10-year Advanced Rotorcraft Technology Plan. The HAI subsequently played a vital role in supporting the launching of the Program in 1980 with strong advocacy in Congress. In 1981 NASA again turned to the HAI for the preparation of material addressing the opportunities and benefits offered by the use of helicopters. This material was presented at the Monterey Conference on Planning for Rotorcraft and Commuter Air Transportation sponsored by NASA and the Transportation Division of the American Planning Association. This conference established open dialogue between users, local and state officials, planners, and the helicopter industry. The NASA/HAI relationship has continued, including pilot participation in off-shore oil rig flight evaluations in the Gulf of Mexico, and joint participation of the HAI and FAA in the NASA/Industry teaming effort in helicopter noise research. In this innovative program the U.S. helicopter manufacturers, under the umbrella of the American Helicopter Society, are pooling their own research efforts with NASA to address the critical problem of helicopter noise prediction and reduction. This effort is being driven by the increasing need to use helicopters in close proximity to communities.

In the long term, the opportunities for major growth in civil rotorcraft activity will stem, to a great extent, from the research and development efforts in the near term. These government and industry R&D efforts will continue to need specific guidance from the vehicle users. This "specification" of need is heavily institutionalized in the case of the military. This appears not to be the case in the civil arena — but is handled, more or less, on an ad hoc basis. There is a continuing need for a reasonably well defined consensus on what civil users see as the baseline requirements for their future aircraft. NASA experience in soliciting guidance in this regard has brought well considered responses that range from requirements for simple, minimum cost, reliable vehicles of modest capability to multi-mission vehicles having greater speed, payload, range, all-weather capability — again at minimum cost and high reliability.

Providing this range of vehicle options is a major challenge to any group of engineers and researchers. While design teams work to address the time essential needs, researchers are laying the groundwork for the next generation of rotorcraft. A number of research and technology activities now underway by government and industry offer potential payoff in application to future civil rotorcraft designs. Certainly, the realization of the payoff of new vehicles will ultimately depend on the cost-effectiveness of their application in actual commercial operation.

A few examples of the advanced rotorcraft systems under investigation serve to illustrate the trends in worldwide rotorcraft technology. The helicopter industry is aggressively pursuing the application of composite materials to fuselage structures. Composites have already proven their value in rotor blade construction. Application to airframe construction makes possible a substantial reduction in parts count, manufacturing cost, weight, and provides improved fail safety and crashworthiness protection. A major program currently underway is the U.S. Army Advanced Composite Airframe Program (ACAP). Bell Helicopter Textron and Sikorsky Aircraft are each fabricating and flight testing composite fuselages to examine the potential benefits of the extensive use of composite materials. An aspect that still must be addressed is the impact of composite construction on internal noise.

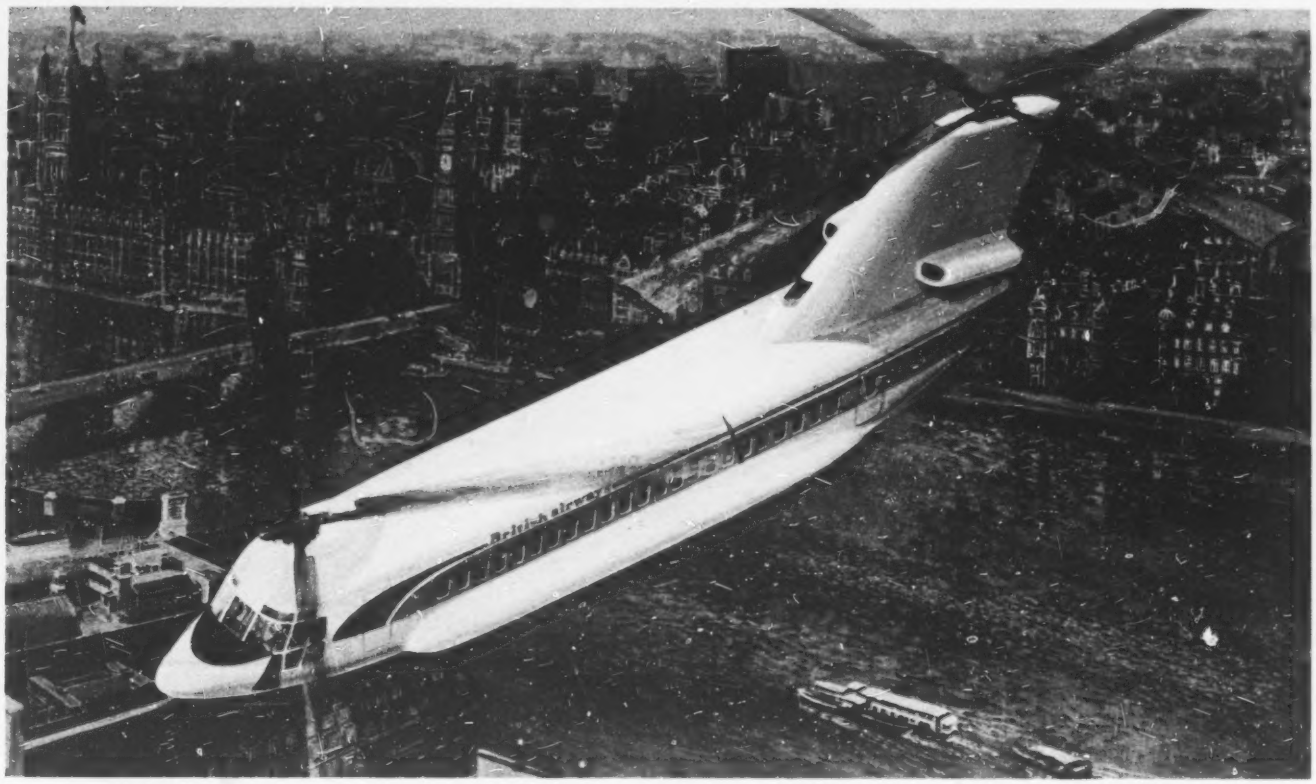
While the use of composite materials for rotor blades is well established and extensive production experience is in hand, the emphasis is shifting to the design of more efficient composite rotor hubs. This represents a challenge because of the complexities inherent in integrating blade motion, control mechanics, highly loaded attachments, and achieving aerodynamic cleanliness. Pioneering development in this technology area has been done by Aerospatiale. Numerous design efforts are now in progress throughout the helicopter industry. The design of composite rotor hubs is of potential benefit for many of the same reasons identified for advanced airframes, e.g., reduced weight, reduced part count, and fail safety.

In the area of advanced propulsion technology, two advanced engine concepts of note are the convertible engine and the compound turbine-diesel engine. The convertible engine application focuses on high speed rotorcraft. A common core engine provides shaft power to the rotors in hover and low speed flight, and then the same engine converts to a turbofan thrusting mode for high speed cruise operation. The compound cycle turbine-diesel engine

John F. Ward is Assistant Director for Aeronautics (Rotorcraft), NASA office of Aeronautics and Space Technology.

Mr. Ward has served as an aerospace research scientist with the National Advisory Committee for Aeronautics, a design evaluation engineer with the CAA, and an aerospace technologist at Langley's flight research branch. In 1972 he was made responsible for developing a program in rotorcraft research and technology and coordinating joint aerodynamic and structural activities with the U.S. Army Air Mobility R & D Lab. He transferred to NASA Headquarters in 1974 to serve as NASA Program Manager for the joint NASA/Army Rotor Systems Research Aircraft and Tilt Rotor Research Aircraft Programs.

He has authored numerous articles and technical papers on rotorcraft technology, and is the recipient of a NASA special achievement award and the AHS Howard Hughes Award for his contributions.



Large transport helicopter for intercity transportation (200 knots)

concept has many potential applications, including future rotorcraft designs requiring 100 to 1500 horsepower. The basic concept combines a turbine engine compressor and turbine with a diesel engine core to give a major improvement in specific fuel consumption, low exhaust gas temperatures, reduced weight, and power density of over five horsepower per cubic inch, which is five times current diesel technology.

The proper application of advanced avionics and control concepts can result in fuel efficiency, improved handling and ride qualities, precision flight path control, and decreased pilot workload. Additional benefits can accrue from reduction of control surface area, and weight reduction by substitution of fly-by-wire and fly-by-light systems for mechanical control systems. Reliability is achieved through redundant channels and back-up software to provide a degraded, but safe, emergency capability. One of the programs that is contributing to the technology base for future flight control systems is the U.S. Army Advanced Digital/Optical Control System flight demonstrator program. Under this program Boeing Vertol will flight test a fiber optic computerized control system.

New electronic control system technologies offer a potential for improved ride quality through gust and vibration suppression. This can also have substantial impact on the reliability of onboard equipment and airframe components. The use of Higher Harmonic Control to drive blade pitch at selected frequencies allows the suppression of airframe vibration levels. The feasibility of this concept has been demonstrated in a joint NASA/Army program conducted by Hughes Helicopters using an OH-6A helicopter.

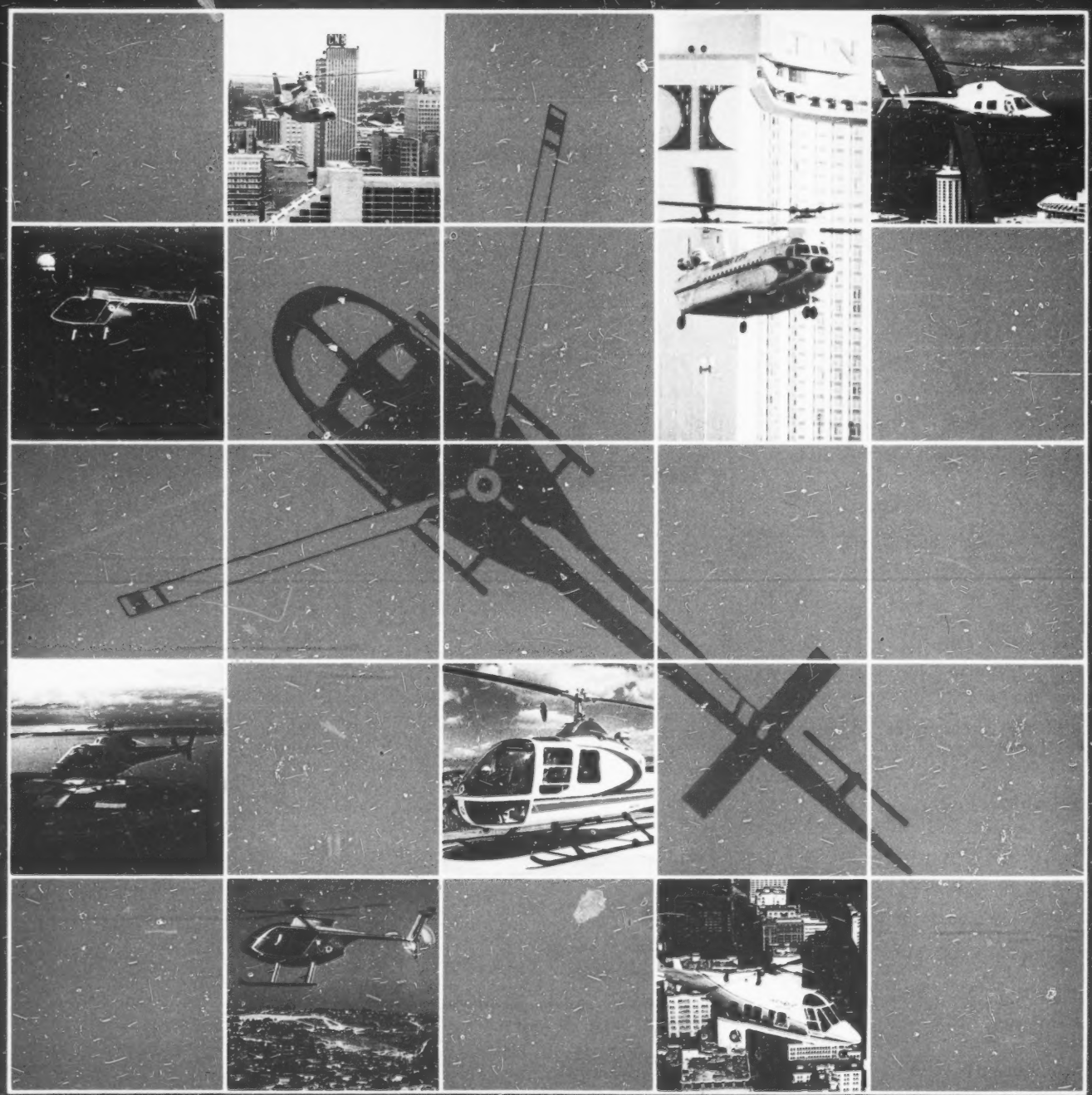
Research underway on guidance and navigation systems offers the potential for low cost, on-board avionic systems for remote site, all-weather operations. Recent NASA flight test results demonstrate the promising capabilities available, through adapting weather-radar systems, to provide approach guidance flight director information from portable, low cost ground equipment. Other ongoing research is addressing low cost civil guidance systems that can use degraded signals from military global positioning system satellites now being put into operation.

As another indication of what the future may hold, there are a number of research and development programs with primary emphasis on new rotorcraft vehicle concepts. These include the Boeing Vertol Model 360 helicopter with a 200-knot speed goal, and the teaming of Westland and Agusta to develop a modern 30-passenger helicopter with heavy emphasis on civil requirements. In addition the NASA/Army XV-15 Tilt Rotor Research Aircraft program is now being followed by the U.S. Navy Joint Services Advanced Vertical Lift Aircraft (JVX) program with Bell-Boeing. Attention is now being given to FAA certification requirements for future tilt rotor designs based on the premise that at some point a civil tilt rotor design will evolve. Research plans are being developed jointly by the Army, the Defense Advanced Research Project Agency (DARPA), and NASA to utilize the XCH-62A Heavy Lift Helicopter. The current plans are to assemble and substantiate the vehicle for use as a flight research aircraft to explore the suitability and technology questions associated with the operation of a 35-ton payload helicopter. The most recent concept to evolve is the X-wing rotor, which has a design speed goal in the 450 to 500 knot range. The rotor incorporates circulation control aerodynamics involving compressed air ejected from thin slots along the rotor blade edges to augment airfoil lift capability. In a joint NASA/DARPA program, Sikorsky Aircraft is designing and fabricating an X-wing rotor for installation on the NASA/Army Rotor Systems Research Aircraft. The objective of this program is to investigate, in flight, the conversion from fixed wing mode to rotary wing mode in the 200-knot speed range.

The introduction of new technology into the civil helicopter marketplace will be paced by many factors, including the economic health of the industry. The situation is similar in nature to the early growth of fixed wing aviation. Long term optimism appears warranted in light of investments by governments and industry for major R&D activities. Continued attention to civil user requirements will assure that improved vehicles are made available, which can contribute to continuing business growth over the next 20 to 40 years.

The world of helicopter operators

An alphabetical listing of all the world's known operators



Alphabetical listing of operators worldwide

This directory contains the most usable and complete listing of helicopter operators ever assembled. We have included every known operator in the world in the alphabetical section. HAI member listings are shown in bold face type and include detailed information on personnel, operations and equipment.

Immediately following the alphabetical directory is the member operators matrix of services. Organized geographically by state or country, by city within the state, then alphabetically, it lists the services provided by each HAI member operator.

We recommend the use of HAI member operators whenever possible, as they subscribe to the HAI Code of Ethics, which can be found in the HAI structure and programs section of this Helicopter Annual.

A & J Construction Co., Inc.
Box 6
Homedale, ID 83628
☎208-337-3114

A L C Airlift Corporation
P.O. Box 598
Pitt Meadows, BC, B0M 1P0, Canada
☎604-465-8727

A.R. Johnson Helicopters
P.O. Box 1131
Sitka, AK 99835
☎907-966-2575
President: Arnold R. Johnson
Chief Pilot: Edward Miller
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Construction, External cargo, Forestry, general, Government contracting, pilot training school, Sightseeing
Helicopters: **2**-206B

A.T. & T.
25 Airport Park
Morristown, NJ 07960
☎201-326-1400 □7109867459
Manager: Kenneth R. Smith
Chief Pilot: William C. Beversluis
Chief of Maintenance: G. Langereis
Operations: Executive transport
Helicopters: **1**-206L

AAT Helicopters
Zone Nord Park Leadair
93350 le Bourget Aeroport
Paris, France
☎1-838140180

AG Air Leasing Service, Inc.
R.D. 2, Box 103
Waterloo, NY 13165

AGRAR, S.A.
Monasterio de Coqullada S/N
Zaragoza 14, Spain
☎290330 □58136
President: Pedro de Wenetz
Operations Manager: Tomas Gallego
Chief Pilot:
Vicente Rosello Santiago de Serret
Operations: Agriculture, Air carrier (US part 127), Air taxi/charter (US part 135), EMS/air ambulance, Construction, Executive transport, External cargo, Forestry, general, Photography, Pilot training school, Repair station (FAA certified), Sightseeing
Helicopters: **2**-315B,**2**-341G,**2**-R22H

ANALAR Corporation
Box 896
20 Kingsbridge Road
Piscataway, NJ 07821
☎201-885-1069

AOK Helicopter Charter Service
2500 N. Bay Drive
Pompano Beach, FL 33062
☎305-942-1824

ATA Air Asahi Transna Airways P.T.
30th Floor, Ratu Plaza Office Tower
Jalan Jenderal Sudirman Senayan
Jakarta, Indonesia
☎711061 □47426 MC JKT
President: Kohei Saitoh
General Manager: M. Rasyad Anwar
Operations Manager: Y. Nitanai
Operations: Air taxi/charter (US part 135), Executive transport, Exploration, Forestry, general, Logging, Offshore, Photography
Helicopters: **2**-B212,**9**-206B

Abelag Aviation
66 Rue de Livourne
1050 Brussels, Belgium
☎02-5386628 □26724/24833

Abu Dhabi Helicopters Limited
P.O. Box 2723
Abu Dhabi, United Arab Emirates
☎722733 □23409
General Manager: Captain Ali Saeed Al-Shamsi
Operations Manager: Captain Phillip N. Stevens
Deputy Operations Manager:
George G. Tucker, III
Engineering Manager: William R. Foute
Operations: Agriculture, Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Offshore, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Private owners, Sightseeing
Helicopters: **7**-206B,**26**-B212

Acadian Ambulance Service
P.O. Box 52888
Lafayette, LA 70505
☎318-261-1511

Ace Helikopters, BV
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V.P./Secretary-Treasurer: Mel Larson
Operations Manager: Jene Oates
A.I.: Ed Zachman, Sr.
Operations: Air taxi/charter (US part 135), Electronic news gathering, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Private owners, Repair station (FAA certified), Sightseeing, Traffic surveillance
Helicopters: **3**-206B,**1**-206L

Adams County Sheriff
P.O. Box 27
Baltimore, OH 43105
☎614-862-8530

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Hinsdale, IL 60521
☎312-325-1400

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00138 Rome, Italy
☎06-8120298 □721396

Aerial Patrols, Inc.
P.O. Box 2106
Akron Canton Airport
N. Canton, OH 44720
☎216-499-3127
President: Terry L. Ewing
Operations: Air taxi/charter (US part 135), Repair station (FAA certified), Construction, External cargo, Forestry, general, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Traffic surveillance, Electronic news gathering
Helicopters: **1**-47G3,**2**-47G2,**1**-47G5,**1**-47J1, **1**-300B

Aerial Services, Inc.
P.O. Box 668
Norton, VA 24273
☎703-679-3696

Aerial Spraying (NZ) Ltd.
Box 122
Feilding, New Zealand
☎FE-35027

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Portland Hillsboro Airport
P.O. Box 400
Hillsboro, OR 97123

Aero Arctic Limited
P.O. Box 1496
Yellowknife, NT, X1A 2P1, Canada
☎403-873-5230 □03445569

Aero Asahi Corporation
32F, Sunshine 60, No.1-1, 3-Chome
Higashi-Ikebukuro, Toshima-ku
Tokyo, 170, Japan
☎03-988-1011 □2723355
President: Hidenori Takahashi
Executive Director: Wataru Nishikawa
Operations Manager: Minoru Asai
Chief Pilot: Mitsushi Matsumoto
Operations: Construction, Offshore, Agriculture, Patrol (power, pipeline, buried cable), Electronic news gathering, Forestry, general, Corporate (US part 91, not for hire), Executive transport, Sightseeing, Skiing, Photography, Air carrier (US part 127), Air taxi/charter (US part 135), EMS/air ambulance, Commuter air carrier (scheduled), External cargo, Fire control/support, Government contracting, Government agency (not for hire), Logging,
Helicopters: **2**-330J,**14**-B212,**23**-206B, **7**-204B,**6**-214B,**13**-B47G,**7**-350B,**2**-355F, **1**-B105

Aero Color
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9000 Frankfurt/Main 1, West Germany
☎611-545040

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430-1 Yumiyashiki Iwata
Tsu-City, Mie-Ken, Japan
☎0592-25-588

Aero Industries Inc.
1100 N.E. 7th Avenue
Dania, FL 33004
☎305-925-1000 □522150

Aero International Helicopters
P.O. Box 17149
Nashville, TN 37217
☎615-361-0423 □804284
President: John Thomson
Vice President: Michael T. Thornton
Chief Pilot: Robert W. McMullan
Operations: Air taxi/charter (US part 135), Bank paper transportation, Electronic news gathering, Executive transport, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Traffic surveillance
Helicopters: **1**-500D,**2**-R22,**2**-206B

Aero Rotors
Rural Route 4, Box 260
Van Wert, OH 45891
☎419-238-9748

Aero Service SC
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(1636) Olivos, Buenos Aires, Argentina

Aero Support/Heli-Aust Pty. Ltd.
Hangar 271
Bankstown Airport
Bankstown, NSW 2200, Australia
☎02-700-616 □AA 70245
Manging Director: Maxwell B. Mann
Director: Herbert D. Ray
Chief Pilot: Sam Houston
Engineer: Peter Boyle
Operations: Agriculture, Air carrier (US part 127), Air taxi/charter (US part 135), Commuter air carrier (scheduled), Executive transport, Exploration, External cargo, Fire control/support, Government contracting, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: **2**-206B,**3**-47GB1

Aero Technicians Inc.
Hart Enterprises
Box 7, Rexburg Airport
Rexburg, ID 83440
☎208-356-4446

Aero Trades Helicopters Ltd.
Building T139
Winnipeg International Airport
Winnipeg, MB, R2Y 0G2, Canada
☎204-774-1080

Aero-Copters Inc.
8013 Perimeter Road South
Seattle, WA 98108
☎206-763-2177
President: G. C. Garbell
Chief Pilot: L. S. Stickney
Vice President: B. J. Garbell
Operations: Air taxi/charter (US part 135), Government contracting, Fire control/support, Photography, Exploration, EMS/air ambulance, Executive transport, External cargo, Forestry, general, Patrol (power, pipeline, buried cable), Repair station (FAA certified), Sightseeing, Skiing
Helicopters: **3**-206B

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Postfach 990131
Flughafen
8500 Nuremberg 99, West Germany
☎611-545040

Aeroexpreso Bogota Ltda.
Apartado Aereo 6781
Bogota, Colombia
☎2481761 □044581
President: James G. Leaver
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Construction, Executive transport, Exploration, External cargo, Patrol (power, pipeline, buried cable), Traffic surveillance
Helicopters: **7**-500D

Aeroguif Services Co.
Box 10566
Dubai, United Arab Emirates
☎220157 □46674

Aerohead Helicopters, Inc.
755 W. Rialto Avenue
Rialto, CA 92376
☎714-874-0274

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Asuncion, Paraguay
□158PY

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Praca Senador Salgado Filho
S/N - Aeroporto Santos Dumont
Rio de Janeiro 20021, Brazil
☎021-240-1499
President: Newton Nascimento Lins
Operations: Offshore
Helicopters: **10**-B212,**12**-206B

Aeronaut Services
2900 Boniface Parkway
Suite 514
Anchorage, AK 99504

Aeronautica Alfa Beta, S.A.
Aeropuerto de Pachuca Hgo.
Pachuca, Hidalgo, Mexico

Aeropycsa, S.A. de C.V.
Bosque de Ciruelos 304-7 Piso
Mexico D.F. 01700, Mexico
☎596-09-55 □1775712
President: Miguel A. Dominguez
Operations Manager: Heriberto Guevara
Operations: Air taxi/charter (US part 135), Executive transport, Photography
Helicopters: **1**-B412

Manufacturer's key

HAI Code	Manufacturer	HAI Code	Manufacturer	HAI Code	Manufacturer
12E4	Hiller	S61N	Sikorsky	3160	Aerospatiale
H12D	Hiller	S62	Sikorsky	318C	Aerospatiale
H12E	Hiller	S64	Sikorsky	319B	Aerospatiale
SL12	Soloy	S76A	Sikorsky	321J	Aerospatiale
UH12E	Soloy	B105	MBB	330J	Aerospatiale
R22	Robinson	B107	Boeing Vertol	330K	Aerospatiale
F28A	Enstrom	KV107	Kawasaki	330L	Aerospatiale
F28C	Enstrom	109A	Agusta	332C	Aerospatiale
F28F	Enstrom	BK117	Kawasaki	332J	Aerospatiale
WG30	Westland	BK117	MBB	332L	Aerospatiale
BV44	Boeing Vertol	204B	Bell	341G	Aerospatiale
47B	Bell	205A	Bell	350B	Aerospatiale
47D	Bell	206A	Bell	350C	Aerospatiale
47G	Bell	206B	Bell	350D	Aerospatiale
47G2	Bell	206L	Bell	355E	Aerospatiale
47G3	Bell	B212	Bell	355F	Aerospatiale
47G4	Bell	214B	Bell	360C	Aerospatiale
47G5	Bell	214ST	Bell	361	Aerospatiale
47H1	Bell	B222	Bell	365	Aerospatiale
47J	Bell	B234	Boeing Vertol	365N	Aerospatiale
47J2	Bell	269A	Hughes	B412	Bell
47J3	Bell	280C	Enstrom	500A	Hughes
47K	Bell	280F	Enstrom	500C	Hughes
BV47	Boeing Vertol	300B	Hughes	500D	Hughes
SL47	Soloy	300C	Hughes	500E	Hughes
S55T	Sikorsky	313B	Aerospatiale	1100	Fairchild
S58T	Sikorsky/California	315B	Aerospatiale	TCAT	Continental (Bell)
S61L	Sikorsky	316B	Aerospatiale	WASP	WASP

Aeroservicios Especializados
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☎904-787-1348

Aerotaxis del Istmo S.A.
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Puebla, Pue, Mexico
☎433526

Aerotech
336 Tenth Street
Colusa, CA 95932
☎916-458-5325

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Apartado 60107
Caracas 106, Venezuela
☎303-587-4454

Aetna Life & Casualty
Hangar 85-176
Bradley International Airport
Windsor Locks, CT 06096
☎203-627-9364 □99241
Manager, Corporate Aviation: James N. Montstream
Chief Pilot: Francis J. Curnow
Operations: Corporate (US part 91, not for hire)
Helicopters: **2**-S76

Africair Inc. (Pan African)
P.O. Box 165139
Miami, FL 33116-5139
☎305-526-5448 □803519
President: M. L. Evans
Vice President: T.P. Perna
Managing Director: F. Astner
Project Manager: R.G. Saker
Operations: Executive transport, Exploration, External cargo, Offshore, Patrol (power, pipeline, buried cable), Repair station (FAA certified)
Helicopters: **4**-206B,**4**-206L

Ag Air Inc.
P.O. Box 190
Johnstown, CO 80534
☎303-776-8944
President: Gary M. Osborne
Operations Manager: Ron L. Osborne
Operations: Agriculture, External cargo
Helicopters: **1**-12ET,**1**-500C

Ag Rotors Inc.
P.O. Box 578
Gettysburg, PA 17325
☎717-334-6777
President: Carrol M. Voss
Chief Pilot: Timothy Voss
Operations: Agriculture, Air taxi/charter (US part 135), Electronic news gathering, Executive transport, External cargo, Fire control/support, Forestry, general, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing
Helicopters: **2**-206B,**2**-UH12E,**2**-H12E,**10**-B47G2, **1**-R22

Ag-Air, Inc.
Route 1
Box 276E
Gilbert, LA 71336
☎318-435-3219

Ag-Rotor, Inc.
Box 8
Dalzell, SC 29040
☎803-469-8100

Agri-Helicopters, Inc.
Route 1, Box 7G
Owatonna, MN 55060
☎507-451-0782

Agricair (Pvt.) Ltd.
Box 3683
Harare, Zimbabwe
☎32951 □4176

Agricolair France
3 Place du General du Gaulle
2800 Chartres, France
☎37-219693 □780778

Agricopters Ltd.
Martin's Lane, Chilbolton
Stockbridge
Hants, S020 6BL, England
☎026-474-677

Air 76 Inc.
19150 W. Ten Mile Road
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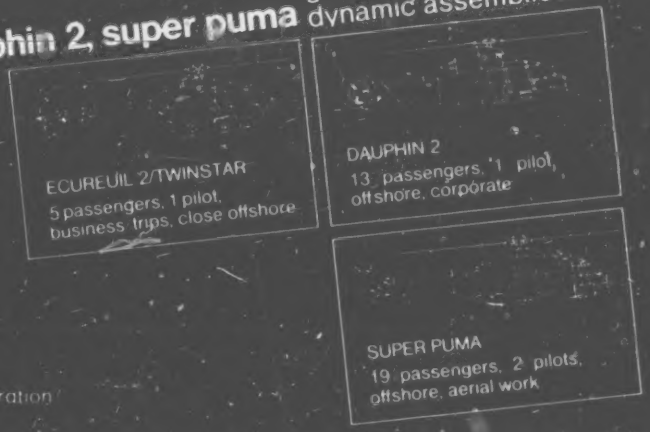

In the United States
Aerospatiale Helicopter Corporation
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Air Affaires Gabon
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☎732020 □5360

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693 Rue Sacre-Coeur East
Alma, PQ, G8B 5W1, Canada
☎418-668-3046

Air Angouleme
B.P. 39
16003 Angouleme, France
☎45-951098

Air Brighton, Inc.
Poplar Avenue & Shore Road
Lindwood, NJ 08221
☎609-653-0631

Air Continent
Aerodrome de Saint Cyr l'Ecole
Saint Cyr l'Ecole 78210, France

Air Enterprises
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Johnson County Executive Airport
Olathe, KS 66062
☎913-782-9330

Air Exec
109 John Glenn Drive
Concord, CA 94520
☎415-682-1367

Air Grischa Helkopter AG
7204 Untervaz, Switzerland
☎081-515757 □74574

Air Hanson Ltd.
Brooklands
Weybridge
Surrey, KT13 0SH, England
☎0932-41426 □928545
CEO: Captain Patrick McHaffey
Chief Engineer: Peter Sibley
Chief Pilot: Captain Colin Bates
Operations Manager: Brenda McCune
Operations: Air taxi/charter (US part 135), Bank paper transportation, Construction, Corporate (US part 91, not for hire), Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Government contracting, Law enforcement (for hire), Law enforcement (not for hire), Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Private owners, Repair station (FAA certified), Sightseeing, Traffic surveillance
Helicopters: **2**-S76,**2**-206B,**3**-206L

Air Inter Ivoire
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Aeroport d'Abidjan
Abidjan 07, Ivory Coast
☎368465 □3234

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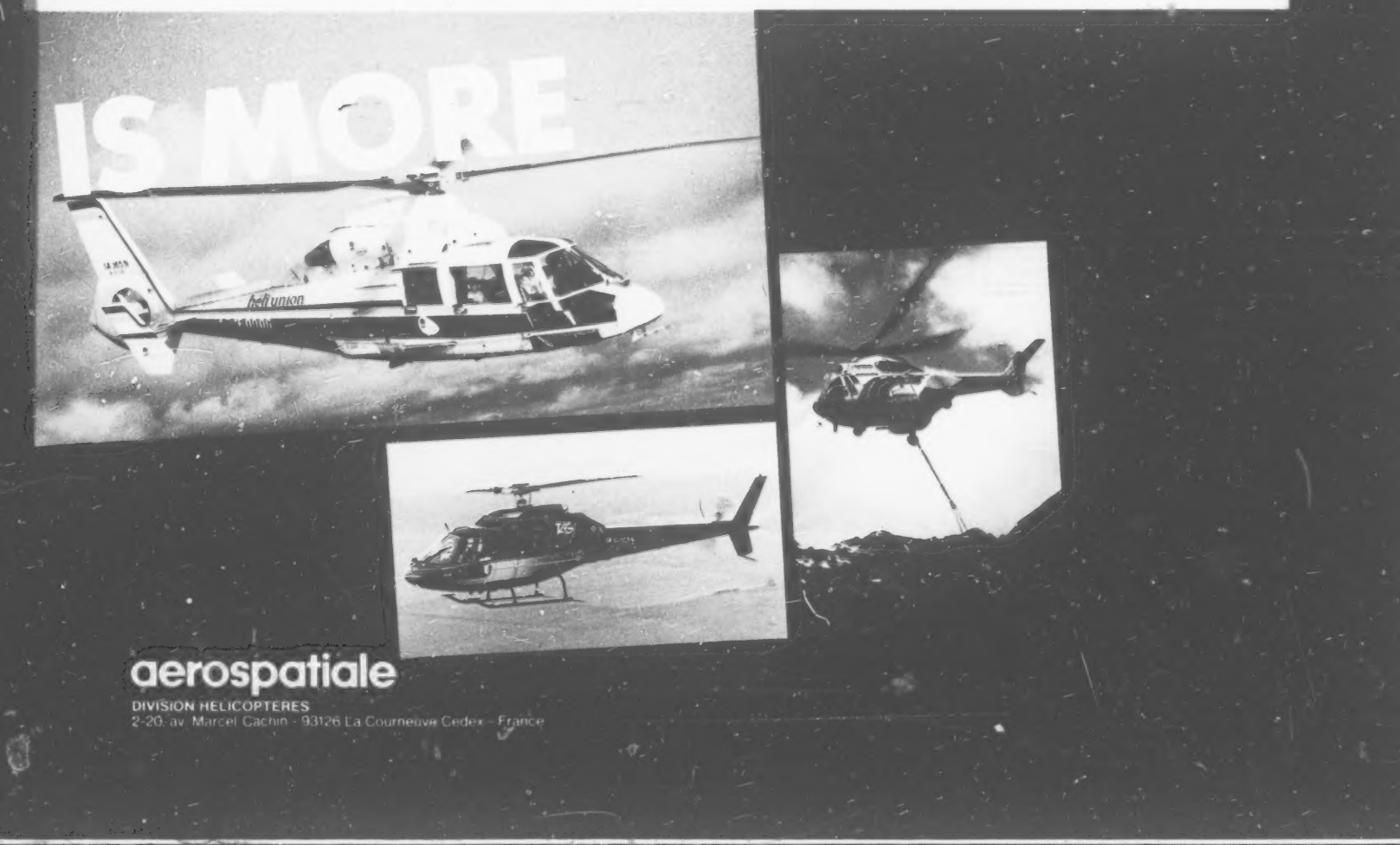
Kagamigahara
Gifu 504, Japan
☎0583-837225 □4722161

Air Lloyd
Flugplatz Bonn-Hangelar
5205 Saint Augustin 2
Bonn, West Germany
☎02241-23034 □889609

Air Logistics
P.O. Box 5-C
Lafayette, LA 70505
☎318-233-1221 □586616
President: Kenneth M. Jones
Vice President/General Manager: David O. Smith
Maintenance Manager: Rodney Iverson
Chief Pilot: Carl Brown
International Operations: Hans J. Albert
Operations: Air taxi/charter (US part 135), EMS/air ambulance, External cargo, Government contracting, Mechanic training school, Offshore, Pilot training school
Helicopters: **15**-S76A,**50**-206B,**35**-206L, **10**-B412,**2**-205A,**22**-B212,**1**-B222,**15**-355E

Air Marine, Inc.
P.O. Box 7089
Oxnard, CA 93031
☎805-987-4981
President: Thomas W. Schaub
Director of Operations: Robert E. Leishman
Maintenance Manager: Peter Todd
Services: Air taxi/charter (U.S. part 135), Commuter air carrier (scheduled), Executive transport, Exploration, Government contracting, Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified)
Helicopters: **2**-105C, **2**-206B,**2**-206L

Air Medical Service
Box 2000
Loma Linda University Medical Center
11234 Anderson Street
Loma Linda, CA 92354
☎714-824-0111



Air Methods, Inc.
P.O. Box 4114
Englewood, CO 80112
☎303-790-0587
President: Roy L. Morgan
Chief Pilot: Kent Boyack
Director of Maintenance: David Soucie
Operations: EMS/air ambulance
Helicopters: **4**-206L

Air Promotion
7 Rue Portalis
75008 Paris, France
☎1-2949129

Air Service Corporation
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218 Lagoon Drive
Honolulu, HI 96819
☎808-836-0116

Air Services Ltd.
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Masterton, New Zealand
☎MA-87079

Air Services International, Inc.
7300 E. Evans Road
Scottsdale, AZ 85260-3178
☎602-948-2150 ☐668445
President: Robert M. Wachs
Vice President: Scott S. Smith
Operations Manager: Earl L. Burhans
Chief Pilot: Don Klick
Operations: Air taxi/charter (US part 135), Bank paper transportation, Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: **4**-B212, **11**-206L, **10**-206B, **2**-315B

Air Sources, Inc.
16700 Roscoe Boulevard
Van Nuys, CA 91406
☎213-786-6906

Air Switch Ltd.
1501 Gershaw Drive
Medicine Hat, AB, T1A 7V1, Canada
☎403-526-9793

Air Taxi S.R.L.
Florida 537
Pisco 14 1005
Buenos Aires, Argentina
☎392-1529

Air Techique Maintenance
Aerodrome de Toussus le Noble
Chateau Fort, 78117, France

Air Texas Helicopter Service
15203 Lillja
Houston, TX 77060
☎713-445-4356

Air Unit
Heliport de Feluy
42 Rue de Saint Georges
6520 Seneffe, Belgium
☎067-877816

Air Vendee
Aerodrome de la Roche Sur Yon
La Roche Sur Yon, 85000, France

Air West Virginia
Box 705
Ceredo, WV 25507
☎304-453-613

Air Zermatt AG
P.O. Box 47
CH 3920
Zermatt, CH 3920, Switzerland
☎028-67-3486 ☐38 897
President: Daniel Lauber
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Construction, Executive transport, External cargo, Fire control/support, Forestry, general, Logging, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing, Skiing
Helicopters: **1**-316B, **1**-319B, **1**-315B, **1**-342J

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Aeroport Civil
1950 Sion, Switzerland
☎027-226464 ☐38560

Airborne Video Systems
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Van Nuys, CA 91406
☎213-781-1622

Aircare of Washington, Inc.
Building C3, Suite 1C
Paine Field
Everett, WA 98204

Aircoastal Helicopters Inc.
3359-I Belvedere Road
W. Palm Beach, FL 33406
☎305-471-1218
President/Chief Pilot: B. Dan Crowe, Jr.
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Executive transport, Electronic news gathering, Photography, Sightseeing
Helicopters: **1**-206L, **2**-206B

Aircopters of San Diego, Inc.
1640 N. Johnson Avenue
El Cajon, CA 92020

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Porterville, CA 93257
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Operations Manager: Tom Hutson
Chief Pilot: Gary Ogle
Chief Helicopter Mechanic: Rob Montee
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), EMS/air ambulance, Executive transport, Exploration, External cargo, Forestry, general, Government contracting, Offshore, Patrol (power, pipeline, buried cable), Photography, Private owners, Repair station (FAA certified), Sightseeing
Helicopters: **2**-109A, **1**-206L

Airfast Services, P.T.
Indonesia
Jalan Riau No. 10
Jakarta, Indonesia
☎338164 ☐44497
President: Frank D. Reuneker
General Manager: Terrence E. Steen
Chief Pilot: Charles A. Weitz
Director: Erlangga Suryadama
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Construction, Executive transport, Exploration, External cargo, Government contracting, Logging, Offshore, Patrol (power, pipeline, buried cable), Sightseeing
Helicopters: **8**-S58T, **4**-204B, **2**-206B, **1**-316B

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Zone Aviation Generale
33700 Bordeaux-Merignc, France
☎56-240214 ☐54978

Airmark Corporation
4411 Empire Avenue
Burbank, CA 91505
☎213-954-0732

Airmetro Helicopters, Inc.
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Ridgefield Park, NJ 07660
☎201-440-8091

Airspan Helicopters
3390 The Crescent
Vancouver, BC, V6H 1T8, Canada
☎604-885-7474

Airspur Helicopters, Inc.
P.O. Box 91258
Los Angeles, CA 90009
☎213-417-2222 ☐LAXHOOT
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Executive Vice President: Timothy W.P. Gallagher
Senior Vice President: Edward S. Propper
Vice President: Robert M. Edholm
Operations: Air carrier (US part 127), Bank paper transportation, Executive transport, Government contracting, Law enforcement (for hire), Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Pilot training school, Photography, Sightseeing, Electronic news gathering, Skiing, Traffic surveillance
Helicopters: **4**-WG30

Airtransivoire
01 B.P.
2426 Abidjan 01, Ivory Coast
☎368415 ☐2323

Airwest Helicopters Ltd.
46 Shiel Street
Reefton
South Island, New Zealand
☎RE-721

Al Hamilton Contracting Co.
Rural Delivery 1
Box 87
Woodland, PA 16881
☎814-857-7677
Pilot: Fred D. Ferlito
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206L, **1**-206B

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Operations Manager: Steve A. Alexander
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☎219-423-7240

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Detroit, MI 48242
☎313-941-2300 □230699
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Operations Manager/Ch. Pilot: Donald G. Harner
Helicopter Captain: James W. Moore
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B,**1**-222A

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Morristown, NJ 07960
☎201-455-6012
Director, Aviation: G.J. DiSilvestro
Chief Pilot: Jack G. Childs
Chief of Maintenance: James S. Johnson
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **1**-S76A

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Houston, TX 77036
☎713-981-9898
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Helicopters: **1**-206B,**1**-206L

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☎408-269-1312 □357478
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Operations Manager: Thomas J. Grady
Chief Pilot: Joseph B. Shipley
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B

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☎RE-721

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Evergreen, CO 80439
☎303-674-2481

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☎Q-820 □NZ 5710
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Chief Pilot: Bill Black
Chief Engineer: Don McInnes
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☎403-342-4650

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☎604-699-8810

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Morristown, NJ 07960

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☎914-948-5311
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Assistant Chief Pilot: Ken Wallace
Senior Helicopter Pilot: Ron Lombardo
Maintenance Representative: Dick Biddleman
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Helicopters: **1**-S76A

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Helicopter Association International

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Project Manager, APS: John Maloney
Air Operations Manager: Dennis W. Bash, Sr.
Director, Safeguard & Securities, DOE:
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Assistant Manager, Admin., DOE: Stu Milam
Operatins: Government agency (not for hire),
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Helicopters: **2**-222UT

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Grand Rapids, MI 49508
☎616-949-0790 ☐8102736912
Director of Aviation: Donald G. Reininger
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Helicopters: **1**-S76A,**1**-206L

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Director of Flight Operations:
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Operations: Air taxi/charter (US part 135),
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Patrol (power, pipeline, buried cable),
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Helicopters: **1**-206B

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Operations: Air taxi/charter (US part 135),
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Helicopters: **2**-214S,**6**-212B,**12**-206B

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Secretary/Treasurer: Nancy R. Sullivan
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Chief Flight Instructor: Donovan V. Mott
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Repair station (FAA certified)
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1-S58T

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Chief Pilot: Ron Wallace
Helicopter Pilot: Mel Hoffman
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Patrol (power, pipeline, buried cable)
Helicopters: **1**-355F

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☎08-434113

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Director of Operations: Wayne Brown
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Helicopters: **3**-206B

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Operations Manager: Paul J. Kristapovich
Marketing Manager: P. R. Bradford
Chief Pilot: R.C. Heighington
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Operations: Agriculture, Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Government contracting, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified)
Helicopters: **5**-206B,**1**-47G3B2

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Helicopters: **1**-206B

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Helicopters: 1-47G5

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Fixed Wing: S. Valin
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Helicopters: 3-206B,1-206L

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Helicopters: 1-206L

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☎305-996-7951

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☎205-262-4856

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Sheridan, WY 82801
☎307-672-3421

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1794 Lindbergh Street
Stockton, CA 95206
☎209-982-4991 □5107655162
Secretary/Treasurer: Ray Etcheverry
Operations: Repair station (FAA certified)
Helicopters: 1-47G3,2-206B,3-H12E

Bill Klutts Helicopter Service
Box 311
Copan, OK 74022
☎918-532-4260

Bird Space Technology
P.O. Box 817
Sandpoint, ID 83864
☎208-263-2549
President: Forrest M. Bird
Operations: EMS/air ambulance
Helicopters: 1-47G3,1-206B,1-B212

Birmingham Police Department
Birmingham City Hall
Birmingham, AL 35203
☎205-254-2000

Black Beauty Coal Company, Inc.
P.O.Box 312
Evansville, IN 47702
☎812-424-9000
Chief Pilot: Lou Buck
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-500D

Black Mountain, Inc.
2298 Pasong Tamo Extension
Makati, Metro Manila, Philippines

Blackhawk Helicopter Services, Inc.
P.O. Box 8729
Madison, WI 53704
☎608-249-6406 □265465
President: Gilbert Pond
Vice President: Edward D. Morgan
Administrative Manager: Deborah K. Nightingale
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Photography, Pilot training school, Pollution detection/monitoring, Repair station (FAA certified), Sightseeing
Helicopters: 2-500D,2-206B,1-300C,1-500/, 1-H12D

Blackhawk Helicopters, Inc.
P.O. Box 1412
Provo, UT 84603
☎801-375-9218
President: Donald L. Sides
Secretary-Treasurer: Loran E. Patterson
Vice President, Maintenance: Scott Patterson
Operations: Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography
Helicopters: 4-315B,1-316B

Blain Helicopter Sales & Service, Inc.
Blue Creek Route
Billings, MT 59101

Blakes Helicopter Service
8100 Pleasant Valley Road
Vacaville, CA 95688
☎707-448-7278
President/Owner: William K. Blake
Operations: Construction, Exploration, External cargo, Forestry, general, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Private owners, Sightseeing
Helicopters: **1**-47G2

Blue Ridge Helicopters, Inc.
Road 2, Box 177A
Fairfield, PA 17320

Bluefield Aviation, Inc.
P.O. Box 317
Bluefield, VA 24605

Board of Civil Aviation
Flight Safety Department
Norrkoping, S 601 79, Sweden
Flight Inspector: Ragnar Boge
Operations: Government agency (not for hire)

Board of County Commissioners
14845 49th Street North
Clearwater, FL 33520

Board of County Commissioners
Court House Complex
Naples, FL 33940

Bohemia Inc.
90692 Greenhill Road
Eugene, OR 97402
☎503-688-5777 ☐364442
President: S.E. Pittman
Senior V.P., Forest Production: T.W. Coiner
V.P., Umpqua Division: P.D. Triem
Oregon Logging Manager: Mike Hougan
Chief Pilot: Joe Murphy
Operations: Air taxi/charter (US part 135), Construction,EMS/air ambulance, Executive transport, External cargo, Fire control/support, Forestry, general, Photography
Helicopters: **1**-341G

Bohn Helicopters, Inc.
5520 Operations Road
Monroe, LA 71203
☎318-323-0828

Boise Cascade Corporation
3565 S. Owyhee Street
Boise, ID 83705
☎208-384-7580

Bonanza Valley Aviation, Inc.
P.O. Box 207
Brooton, MN 56316

Booren Helicopter Operators
Clarke Creek
Marlborough
Queensland, 4705, Australia

Boston Air Taxi
212 Brimball Avenue
Beverly, MA 01915

Bouquemont/SICAMA
Coligny
51130 Vertus, France
☎26-521210

Bradair, Inc.
3702 Knapp Road
Pearland, TX 77581

Bradford Helicopter Sales Inc.
1703 Griffin Road
Dania, FL 33004

Brainard Helicopter Service
P.O. Box 482
Brainard, MN 56401

D.H. Braman, Jr. Company
400 Victoria Bank & Trust
Victoria, TX 77901
☎512-578-6271
President: D.H. Braman, Jr.
Operations Manager: Dan Miller
Pilot: Ambrose Connelly, Jr.
Larry Reese
Operations: Corporate (US part 91, not for hire), Executive transport, Herding (stock & wildlife)
Helicopters: **1**-B105,**1**-SL47

Brentner Aircraft Inc.
Route 2
Marion, IA 52302

Brevard County Sheriff's Office
P.O. Drawer T
Titusville, FL 37280

Bridge Helicopters Ltd.
Sutton Bridge
Spalding Lincs, PE12 9UW, England
☎0406-350464

Joe Brigham Inc.
23 Poor Richard's Drive
Bow, NH 03301
☎603-225-3134
President: Joesph R. Brigham
Operations: Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Forestry, general, Government contracting, Patrol (power, pipeline, buried cable), Photography, Sightseeing
Helicopters: **1**-206B

Bright Flying Service
Route 1
Manila, AR 72442
☎501-564-2475

Briles Wing & Helicopter, Inc.
16592 Armita Street
Van Nuys, CA 91406
☎213-994-1445 ☐662902
President: Paul R. Briles
General Manager: Greg W. Briles
Operations Manager: Joe G. Parr
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Bank paper transportation, Construction, Electronic news gathering, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Sightseeing, Skiing, Traffic surveillance
Helicopters: **4**-206B,**3**-206L,**3**-S58T

Bristow Caribbean Ltd.
18 Picton Court
Port of Spain, Trinidad
☎6227367

Bristow Helicopter Group Ltd.
Redhill Aerodrome
Redhill
Surrey, RH1 5JZ, England
☎01-668-6352 ☐21913
Chairman: Alan E. Bristow
Operations: Agriculture, Air taxi/charter (US part 135), Commuter air carrier (scheduled), Construction, Executive transport, Exploration, External cargo, Government contracting, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified)
Helicopters: **28**-S61N,**23**-332L,**11**-330J, **39**-B212,**14**-105D,**14**-S76A,**11**-205A,**3**-316B

Bristow Helicopters Singapore Pte Ltd.
602 Hiang Kie Industrial (CX1)
50 Genting Lane, Singapore

Bristow Helicopters (Intl.) Ltd.
c/o IACC 22
Taha Hussein Street
Zamalek Cairo, Egypt
☎650550 ☐92386

Bristow Helicopters (Nigeria)
Box 11
Murtala Muhammed Airport
Ikeja, Lagos, Nigeria
☎962885 ☐26111

Bristow Helicopters Ltd.
Box 3288
Deira, Dubai, United Arab Emirates
☎221707 ☐46408

Bristow Helicopters Malaysia
Office C Sam Mansion
Jalan Tuba
Kuala Lumpur 01-08 Malaysia
☎227925 ☐31319

Bristow Masayu Helicopters P.T
Box 2107, Masayu Building
Jalan Jendral Sudirman H17-18
Jakarta Pusat, Indonesia
☎581389 ☐44247

British Airways Helicopters
Gatwick Airport South
W. Sussex, RH6 0PB, England
☎0293-542251 ☐87483
Managing Director: Michael Graham-Cloete
Commercial Director: Keith Bolshaw
Engineering Director: Muir Parker
Flight Operations Director: Stewart Birt
Operations Director: Tom Porteous
Operations: Air carrier (US part 127), Air taxi/charter (US part 135), Commuter (scheduled), Construction, External cargo, Offshore, Pilot training school.
Helicopters: **17**-S61, **4**-BV234, **4**-S76, **3**-W30, **3**-AS332L

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Helicopter Association International

British Caledonian Helicopter
Farburn Terrace
Aberdeen Airport East
Dyce, Aberdeen, AB2 0DT, Scotland
☎770195 □739508
President: R. M. MacLeod
Operations Manager: C.J.M. Hunt
Planning Superintendent: I. M. Fox
Operations: Air carrier (US part 127), Executive transport, Exploration, Agriculture, Law enforcement (not for hire), Photography
Helicopters: **3**-214S,**3**-S61N,**1**-S76A

British Holdings Air Division & Mida Helicopters
4380 Agar Drive
Richmond, BC, V7B 1A3, Canada
☎604-278-0323

Brunei Shell Petroleum Co. Ltd.
Aviation Department
Seria, Brunei

Buckeye Helicopter Services
250 Dent Road
Sunbury, OH 43074

Bucks County Helicopter Services Inc.
276 Buckthorn Avenue
Langhorne, PA 19047

Buffalo Airways Ltd.
Box 168
Fort Smith, NWT, Canada
☎403-872-2216

Burnett Aviation Co., Inc.
1500 Interfirst Tower
Fort Worth, TX 76102
☎817-877-3221

Burnside-Ott Aviation Training Center
14100 S.W. 129th Street
Miami, FL 33186
☎305-235-0850 □512467

Burnthills Aviation Ltd./ Burnthills Highland Helicopter Service
Glasgow Airport, Paisley
Renfrewshire, PA3 3TF, England
☎041-887-7733 □778112

Business Helicopters Inc.
P.O. Box 5356
Manchester, NH 03108
☎603-668-4665
President: Robert C. McCray
Chief Pilot: LaRay Todd
Operations Manager: William Quinn
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Electronic news gathering, Executive transport, Photography, Private owners, Sightseeing, Traffic surveillance
Helicopters: **1**-206B,**1**-206L

Byron AG Aviation Inc.
P.O. Box 31
Attica, OH 44807

C & C Flying Service Inc.
Route 1, Box 432
Valdosta, FL 31601

C & P Airways, Inc.
Mountain Empire Airport
Rural Retreat, VA 24368
☎703-686-5511

C & W Ag-Air Service
Cranland Airport
Hanson, MA 02341
☎617-293-3711

C.B.S. Inc.
Marine Air Terminal, Hangar 7
LaGuardia Airport
Flushing, NY 11371
☎212-651-3537
President: Thomas Wyman
Operations Manager: John Petri
Chief Pilot, Rotary Wing: John J. Dempsey
Operations: Executive transport
Helicopters: **1**-S76A

C.D.C.P.
c/o CDCP Hangar
Pasay
Manila City, Philippines

C.Q. Air
10941 Montrose Avenue
Garrett Park, MD 20766

C.R. Corporation
C.R. Building
Aguirre Street
Legaspi Village,Makati, Phillippines

C.R.I.
20881 Cerritos Avenue
Apple Valley, CA 92307
☎619-247-5845
President: Chet Rasberry
Maintenance Supervisor: William E. Poole
Operations: Agriculture, Air taxi/charter (US part 135), EMS/air ambulance, Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Skiing
Helicopters: **2**-500D,**2**-206B

CB Helicopters
Battersea Heliport
Ombard Road
London, SW11, England
☎01-731-5857 □8954102

CIGNA Corporation
Hangar 85-176
Bradley International Airport
Windsor Locks, CT 06096
☎203-726-4459
Director/Corporate Aviation: H.W. (Ha[illegible]ish
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **2**-S76A

CSE Aviation Limited
Oxford Airport
Kidlington, Oxford, 0X5 1RA, England
☎086-754321 □83204

CSX-Beckett Aviation, Inc.
Box A-72
Byrd International Airport
Richmond, VA 23231
☎804-226-7200
President: Kenneth L. Masters
Chief Pilot: Les Austin
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-109A

Cabair Ltd.
Elstree Aerodrome
Herts, WD6 3AW, England
☎01-953-4411 □922611

Caesar's Boardwalk Regency Hotel/Casino
P.O. Box 7584
W. Trenton, NJ 08628-0584
☎609-771-8071
Chief Pilot: Robert Doyle
Operations Manager: Ray Moore
Captain: Edward Ferguson
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **2**-S76A

Cal-Sierra Timber
Box 1105
Grass Valley, CA 95945
☎916-265-5844

Cal-West Helicopter Service
23516 Hatteras Street
Woodland Hills, CA 91367
☎213-906-2222

Manufacturer's key

HAI Code	Manufacturer	HAI Code	Manufacturer	HAI Code	Manufacturer
12E4	Hiller	S61N	Sikorsky	3160	Aerospatiale
H12D	Hiller	S62	Sikorsky	318C	Aerospatiale
H12E	Hiller	S64	Sikorsky	319B	Aerospatiale
SL12	Soloy	S76A	Sikorsky	321J	Aerospatiale
UH12E	Soloy	B105	MBB	330J	Aerospatiale
R22	Robinson	B107	Boeing Vertol	330K	Aerospatiale
F28A	Enstrom	KV107	Kawasaki	330L	Aerospatiale
F28C	Enstrom	109A	Agusta	332C	Aerospatiale
F28F	Enstrom	BK117	Kawasaki	332J	Aerospatiale
WG30	Westland	BK117	MBB	332L	Aerospatiale
BV44	Boeing Vertol	204B	Bell	341G	Aerospatiale
47B	Bell	205A	Bell	350B	Aerospatiale
47D	Bell	206A	Bell	350C	Aerospatiale
47G	Bell	206B	Bell	350D	Aerospatiale
47G2	Bell	206L	Bell	355E	Aerospatiale
47G3	Bell	B212	Bell	355F	Aerospatiale
47G4	Bell	214B	Bell	360C	Aerospatiale
47G5	Bell	214ST	Bell	361	Aerospatiale
47H1	Bell	B222	Bell	365	Aerospatiale
47J	Bell	B234	Boeing Vertol	365N	Aerospatiale
47J2	Bell	269A	Hughes	B412	Bell
47J3	Bell	280C	Enstrom	500A	Hughes
47K	Bell	280F	Enstrom	500C	Hughes
BV47	Boeing Vertol	300B	Hughes	500D	Hughes
SL47	Soloy	300C	Hughes	500E	Hughes
S55T	Sikorsky	313B	Aerospatiale	1100	Fairchild
S58T	Sikorsky/California	315B	Aerospatiale	TCAT	Continental (Bell)
S61L	Sikorsky	316B	Aerospatiale	WASP	WASP

Caledon Helicopters Limited
Rural Route 1
Caledon, ON, L0N 1C0, Canada
☎519-941-4506

Calicopters, inc.
1595 Lindbergh
Stockton, CA 95206
☎209-982-4441

California Agri Sprayers inc.
P.O. Box 1087
Delano, CA 93216

California Federal Savings & Loan
5670 Wilshire Boulevard, Suite 2580
Los Angeles, CA 90036
☎213-932-4661
President: Robert Dockson
Operations Manager: Frank Cowles
Chief Pilot: Steve Sirk
Pilot: Steve Hopp
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-206L

California Department of Justice
2550 Mariposa Street, Room 3011
Fresno, CA 93309
☎209-445-5451

California Helicopter Airways, Inc.
21893 Skywest Drive
Hayward, CA 94541
☎415-783-4000

California Helicopter Corp.
1640 N. Johnson
El Cajon, CA 92020

Caliop
26 Bis, Avenue de Paris
95230 Soissy-sous
Montmorency, France
☎9802052 □696754

Camden County Sheriff
P.O. Box 699
Woodbine, GA 32569
☎912-576-5628

Camelot Aviation
1393 Lakeshore Road
Burlington, ON, L7S 1B1, Canada
☎416-632-9124

Can-Du Air Ltd.
P.O. Box 600
Saint Thomas, ON, N5P 4B1, Canada
☎519-631-4410

Cane Air Inc.
P.O. Box 5
Belle Rose, LA 70341

Canelands Helicopters Services Pty.
Bundberg
Queensland, Australia

Canwest Aviation Ltd.
General Delivery, Okotoks Post Office
Okotoks, AB, T0L 1T0, Canada
☎403-938-5111

Capital Helicopters Ltd.
Box 984
Wellington, New Zealand
☎725791

Capitol Aviation & Helicopter Services
P.O. Box 133
Rancho Cordova, CA 95670
☎916-991-0466

Capitol Helicopters Inc.
P.O. Box 17551
Dulles International Airport
Washington, DC 20041
☎703-661-8113
President: Rod Jeager
Director of Operations: T. David Kochler
Chief Executive Officer: E.A. Toby Stumpf
Operations: Air taxi/charter (US part 135),
Commuter air carrier (scheduled),
Executive transport, Electronic news gathering,
Offshore
Helicopters: 2-365N

Cardinal Air Services Inc.
18326 Ward Street
Fountain Valley, CA 92708

Carey Construction Company
15313 S.E. 322nd Street
Boring, OR 97009

Carolina Pipeline Co., Inc.
P.O. Box 6317
Columbia, SC 29260
☎803-788-3220
President: Max I. Earwood
Operations Manager: B.J. MacInnis
Chief Pilot: James T. Breznay
Operations: Corporate (US part 91, not for hire),
Executive transport,
Patrol (power, pipeline, buried cable)
Helicopters: 1-206L

Carr Aviation, Inc.
Star Route
Box 1025
Pasco, WA 99301
☎509-547-5301

Carraway Methodist Medical Center
1600 26th Street, South
Birmingham, AL 35234
☎205-254-6614

Carson Helicopters, Inc.
32-H Blooming Glen Road
Perkasie, PA 13944
☎217-249-3535

Cascade Helicopters, Inc.
407 N. Division
P.O. Box 596
Cashmere, WA 98815
☎509-782-2915
President: Fred C. Scaman
Vice President: William H. Wells
Secretary Treasurer: James F. Ripley
Operations Manager: Effie Alvarez
Operations: Agriculture, Air taxi/charter
(US part 135), EMS/air ambulance,
Construction, Executive transport, Exploration,
External cargo, Fire control/support, Forestry,
general, Government contracting,
Herding (stock & wildlife),
Photography, Repair station (FAA certified),
Sightseeing, Skiing
Helicopters: 1-315B,1-350D,3-206B,2-47G3,
2-SL47

Cascade Rotors Ltd.
P.O. Box 1689
High River, AB, T0L 1B0, Canada
☎403-652-3649

Casper Air Service
Natrona County Interantional Airport
Casper, WY 82604
☎307-266-3400

Castle Air Charters Ltd.
Trebrown, Liskeard
Cornwall, PL14 3PX, England
☎05034-543

Catouch Helicopter
Box 43
Medaryville, IN 47957
☎219-843-4491

Cedar Rapid Police Department
310 Second Avenue, S.W.
Cedar Rapid, IA
☎319-398-5333

Central Air Service, Inc.
P.O. Box 895
Lewistown, MT 59457
☎406-538-3767

Central BC Helicopters Ltd.
2371 Tranquille Road
Kamloops, BC, V2B 3N6, Canada
☎604-554-3000

Central Flying Service, Inc.
Adams Field
Little Rock, AR 72202
☎501-375-3245
President: Richard Holbert
Operations Manager: Donald Holbert
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Electronic news gathering,
Executive transport,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified), Sightseeing,
Traffic surveillance
Helicopters: 1-206B

Central Helicopters, Inc.
699 Bozeman Trail Road
P.O. Box 777
Bozeman, MT 59715
☎406-586-9185

Central Santos Lopez Co.
Barotac Nuevo
Iloeilo, Philippines

Centurian Helicopter Ltd.
480 Aviation Way, N.E.
Calgary, AB, T2E 7G3, Canada
☎403-275-3035 □03826794

Century Helicopters
116 N. Racquette Drive
Fort Collins, CO 80524
☎303-484-6804

Century Helicopters
6455 64th Street
Delta, BC, V4K 4E2, Canada
☎604-946-6611

Certeza Surveying Co., Inc.
855E Delos Santos Avenue
Quezon City, Philippines

Charleston County Police Department
3505 Pine Haven North
Charleston, SC 29405
☎803-554-4700

Charter-Air, Inc.
Box 4100
Portsmouth, NH 03801
☎603-668-8639

Chartercopter Service
111 Elm Street
New Canaan, CT 06840
☎203-966-9391

Chem-Air, Inc.
P.O. Box 7241
Shreveport, LA 71107
☎318-424-8395

Chevron U.S.A. Inc.
P.O. Box 26845
New Orleans, LA 70186
☎504-241-2120 □058243
Manager, Aircraft Services: W.S. Wakefield
Manager, Aircraft Operations: H.O. Moore
Chief Pilot: C.K. Roberts
Operations: Corporate (US part 91, not for hire), Offshore, Executive transport, Exploration
Helicopters: **18**-206B,**3**-S62,**1**-S58T,**5**-S76A

Chicago Fire Department
Air/Sea Rescue Section
1500 S. Lake Shore Drive
Chicago, IL 60605
☎312-744-4718
Commissioner: Charles B. Roberts
Operations Manager: George E. Tannehill
A & I: Fred Marshal
Operations: EMS/air ambulance, Fire control/support, Government agency (not for hire), Law enforcement (not for hire), Traffic surveillance
Helicopters: **1**-206B,**1**-204B,**1**-47G4

Chicago Helicopter Airways Inc.
5315 W. 63rd Street
Chicago, IL 60638
☎312-735-0200

Chisum Flying Service Alaska
Box 1288
Eyak Lake
Cordova, AK 99574
☎917-424-7671

Brian Chuchua's Jeep, Inc.
776 S. Placentia Avenue
Placentia, CA 92670
☎714-879-5337
President: Brian Chuchua
Operations: Corporate (US part 91, not for hire)
Helicopters: **2**-F28C,**1**-F28A

Chugiak Aviation
Box 249
Chugiak, AK 99567
☎907-688-2725

Churchill Falls Labrador Corp.
P.O. Box 256
Churchill Falls, NF, A0R 1A0, Canada
☎709-925-3405 □0162287
President: Brian McGrath
Operations Manager: Jack Murphy
Chief Pilot, Helicopters: Charles D. Ramsey
Operations: Corporate (US part 91, not for hire), EMS/air ambulance, Executive transport, External cargo, Fire control/support, Patrol (power, pipeline, buried cable)
Helicopters: **1**-205A,**1**-206B,**1**-206L

Cie Aerienne Ardic Cameroon
B.P. 5439
Aeroport Internationale
Douala-Akwa, Cameroon
☎420222 □5395

Cimarron Helicopter, Inc.
2323 W. Britton Road
P.O. Box 21600
Oklahoma City, OK 73156
☎405-755-2023

Cincinnati Airways, Inc
5055 Wooster Road
Cincinnati, OH 45226
☎513-621-0687

Circus-Circus Enterprises
500 N. Sierra Street
Reno, NV 89503

City of Fort Worth Helicopter Services
1400 Nixon Street
Fort Worth, TX 76102
☎817-870-8310
Chief Pilot: Al Smith
Pilot: Dave Ankerberg
Pilot: Jerry Toman
Mechanic: Kenneth Hughey
Operations: Fire control/support, Government agency (not for hire), Law enforcement (not for hire), Pollution detection/monitoring, Traffic surveillance
Helicopters: **1**-206B

City of Los Angeles
General Services, Fleet Services
8060 Balboa Boulevard
Van Nuys, CA 91406
☎818-989-8574
General Manager: Sylvia Cunliffe
Assistant General Manager: Clifford G. Welsh
Chief Pilot, Fleet Services: Jim Garner
Operations: Construction, Executive transport, External cargo, Government agency (not for hire), Patrol (power, pipeline, buried cable), Photography, Traffic surveillance
Helicopters: **3**-206B, **1**-UH1B,**1**-47G3B1,**1**-47J2

City of Roswell
Fire Department
200 S. Richardson
Roswell, NM 88201
☎505-622-5970

City of Virginia Beach
Room 225
Public Safety Building
Virginia Beach, VA 23456
☎804-427-4192
Emergency Services Coordinator: R. Lee Eskey
Chief Pilot: Clifton F. Monk
Operations: Governnment agency (not for hire)
Helicopters: **2**-47G3B1

City & Country Helicopters (Pty) Ltd.
P.O. Box 351
Caloundra, Queensland, 4551 Australia
☎071-914600 □AA 44643

Clarinda Flying Service
Route 2, Box 100
Clarinda, IA 51632

Clarke Outdoor Spraying Co.
159 N. Garden Avenue
P.O. Box 72288
Roselle, IL 60172

Clarksville Helicopter Service
B321 Oak Hill Drive
Clarksville, TN 37040

Classic Helicopter
9151 South 255 West
Sandy, UT 84070

Classic Helicopter Corp.
6505 Perimeter Road
Seattle, WA 98108

Clay Lacy Aviation
7435 Valjean Avenue
Van Nuys, CA 91406
☎213-989-2900

Clayton County Police Department
7930 N. McDonough Street
Jonesboro, GA 30236
☎404-477-9960

Clear Shake, Inc.
P.O. Box 57
2156 Pringle
Clear Lake, WA 98235
☎206-856-6844

Cleary Brothers (Bombo) Pty. Ltd.
Caloundra Airport
Queensland, 4551, Australia
☎071-914600 □44643

Clinton Aviation Group, Inc.
Chanute Road
P.O. Box 60429
Houston, TX 77205
☎713-443-2000 □795839

Clover, Inc.
Box 1833
902 Lee Road
Hereford, TX 79045
☎806-364-3500

Coast Air Charter Ltd.
Box 372
Greymouth, New Zealand
☎GR-5441

Coast Mountain Air Rescue Soc.
2466 Gately Drive, Suite 224
Port Coquitlam, BC, V3C 4WS, Canada
☎604-464-7225

Coastal Flying Service Inc.
P.O. Box 1430
El Campo, TX 77437

Coastal Helicopters Inc.
P.O. Box 476
Cotulla, TX 78014

Codiac Helicopters, Ltd.
P.O. Box 670
Moncton, NB, E1C 8M7, Canada
☎506-854-0476

Coker Aviation Training Center
3114 S. Great Southwest Parkway
Grand Prairie, TX 76014
☎214-647-1103

Colgate-Palmolive Co.
333 Industrial Avenue
Teterboro, NJ 07481
☎201-288-1811 □134707
Senior Captain, Rotary Wing: George M. Jones
Chief of Maintenance: Frank DeSanto
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-BK117

Collingwood Air Services
P.O. Box 246
Collingwood, ON, Canada
☎705-445-1616

Collins Brothers Corporation
Terrible Herbst Inc.
P.O. Box 42427
Las Vegas, NV 89116
☎702-736-6151
Principal: E.A. Collins
Principal: M.M. Collins
Principal: Jerry Herbst
Chief Pilot: Willis Griffin
Chief Helicopter Pilot: Ray Christopher
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206L

Collins Helicopter Service Inc
312 Dutton Mill Road
W. Chester, PA 19380

Colony Helicopters
4002 Teak Court
Labelle, FL 33935
☎813-675-2047

Colorado Airlift, Inc.
9602 East Huggins Court
Parker, CO 80134

Colorado State Patrol
4201 E. Arkansas Avenue
Denver, CO 80222
☎303-757-5376

Colt Executive Aviation
Staverton Airport
Cheltenham
Glouschester, England
☎0452-714525 □437246

95 **Columbia Helicopters, Inc.**
P.O. Box 3500
Portland, OR 97208-9952
☎503-657-1111 □360307
President: Wes Lematta
Executive Vice President: Roy Simmons
Vice President/Maintenance: Jack Fyle
Chief Pilot: George Warren
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (not for hire), Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing, Skiing, Traffic surveillance
Helicopters: **10**-BV107,**1**-332C,**6**-UH12E,**2**-S76A, **2**-206B

Helicopter Operators...
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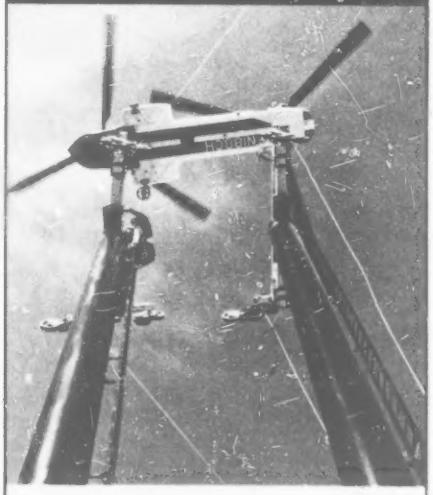

Ski lift construction on the slopes of Mt. Hood

Tower assemblies and foundations are airlifted up the slopes of Mt. Hood by a Columbia BV 107, a cost-effective and practical solution to forest construction in the environmentally sensitive northwest.

Columbia Helicopters, Inc. Portland, Oregon

Columbus Aviation, Inc.
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Columbus, OH 43219
☎614-231-4356

Columbus, Ohio Police Helicopter Section
681 W. Third Avenue
Columbus, OH 43212
☎614-222-4656
Chief of Police: Dwight Joseph
Operations Manager: Lt. Paul E. Newell
Watch Supervisor: Sgt. Frank Kennedy
Watch Supervisor: Sgt. Paul Bryant
Maintenance Officer: Tom Jordon
Operations: Law enforcement (not for hire).
Helicopters: **4**-300C

Comando en Jefe del Ejercito
Argentina
Azopardo 250
Buenos Aires, Argentina

Command Airways (Pty.) Ltd.
Room 304A, New Administration Building
Jan Smuts Airport
Johannesburg, South Africa
☎011-9703532 □88412

Command Helicopters, Inc.
P.O. Box 2187
Joliet, IL 60434
☎817-436-4441

Commander Airways
Communication Investor Service
5401 W. Kennedy Boulevard, Suite 851
Tampa, FL 33609
☎813-876-7157

Commander Aviation Corp.
P.O. Box 734
Mandan, ND 58554

Commander Mexicana
Terminal de la Aviacion Gral
Hangar No. 18, Col. Federal
Mexico City, 75700, Mexico

Commander-Aero, Inc.
140 N. Valley Road
Xenia, OH 45385
☎513-426-8215

Commercial Aviation Enterprises
701 S.W. 48th Street
Fort Lauderdale, FL 33315

Commercial Aviation Pty. Ltd.
P.O. Box 309, Revesby,
NSW, 2212, Australia
☎02-7074200 □AA74478
General Manager: Philip McL. Gant
Chief Pilot: Wally Watkins
Company Secretary: Trevor Stone
Operations: Executive transport, Exploration, External cargo, Offshore
Helicopters: **2**-B212,**1**-B412,**1**-330J

Commercial Helicopters Ltd.
Box 152
Taumarunui, New Zealand

Commercial Helicopters, Inc.
200 Tower Drive
Lafayette, LA 70508
☎318-237-7550 □784862
President/CEO: Charles F. Haynes, Jr.
General Manager: Gary J. Villiard
Director of Operations: Robert E. Talmadge
Chief Pilot: Michael P. Ryan
Director of Maintenance: David A. Brown
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), EMS/air ambulance, Exploration, External cargo, Offshore, Repair station (FAA certified)
Helicopters: **3**-B412,**2**-B212,**8**-206L,**15**-206B

Commodore Helicopters
240 Redwood Highway
Mill Valley, CA 94941
☎415-332-4482
President: Lu Hurley
Executive Vice President: Roberta Work Sanchez
Operations Manager: Steve Greene
Chief Pilot: Jon Walker
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Bank paper transportation, Electronic news gathering, Executive transport, Exploration, Fire control/support, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Offshore, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Sightseeing, Traffic surveillance
Helicopters: **3**-206B,**1**-206L

Compass Helicopters
Bristol Airport
Lulsgate
Bristol, BS19 3DY, England
☎027-587-4101

Condor Helicopters & Aviation
2899 W. 5th Street
Oxnard, CA 93030
☎805-984-1611

Confederate Air Force
P.O. Box CAF
Harlingen, TX 78550

Connecticut Air Service
11 Victoria Drive
Eatontown, NJ 07724

Connecticut Helicopter Svc. Inc.
49 Miry Brook Road
Danbury, CT 06810
☎203-743-4901

Conoco, Inc.
Aviation Department
Allegheny County Airport
W. Mifflin, PA 15122
☎412-469-0443 □866247
President/CEO: B.R. Brown
Operations Manager: W. Howard Morgan
Chief Pilot, Pittsburgh Division: Andrew R. McGeever
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **1**-S76A

Conqueror Fishing Corp.
2040 Harbor Island Drive
San Diego, CA 92101

Conrich Aviation
P.O. Box 767
Knoxville, TN 37901

Consejo de Recursos Minerales
Departmento de Transportes Aereos
Ninos Heroes 139
Mexico 7, DF, Mexico
☎525-588-1634

● *Indicates page of advertisement*

Construction Helicopters Inc.
42629 Barchester Road
Canton, MI 48187

Consumers Power Company
212 W. Michigan Avenue
Jackson, MI 49203
☎517-788-0360
Vice President: R.C. Lincoln
Operations Manager: William J. Meadowcroft
Chief Pilot: Clifford W. Schmidt
Chief of Maintenance: James J. Hirsch
Operations: Corporate (US part 91, not for hire), Executive transport, Forestry, general, Patrol (power, pipeline, buried cable)
Helicopters: 3-206B

Continental Camera, Inc.
7240 Valjean Avenue
Van Nuys, CA 91406
☎213-989-5222

Continental Helicopters, Inc.
P.O. Box 1487
Provo, UT 84603
☎801-225-8910 □453005
President: L. Tom Nicol
Vice President & Manager: C. Gary Fitzgerald
Chief Pilot: Timothy G. Henthorn
Director of Maintenance: Michael J. Richardson
Operations: Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Skiing
Helicopters: 6-315B, 2-316B, 2-206B, 3-206L, 2-500D

Continental Illinois National Bank & Trust Company
231 S. LaSalle Street
Chicago, IL 60693
☎312-923-3576 □25233
Unit Manager, Transportation: Fred Wagner
Chief Pilot: Sterling West
Operations: Bank paper transportation, Corporate (US part 91, not for hire), Executive transport
Helicopters: 3-206L

Contract Aviation Services Inc.
312 Malabu Drive
Lexington, KY 40502

Contractors Crane Services Inc.
Munson Avenue
Morrisville, VT 05661

Contractors Helicopters Inc.
11714 Charles
Houston, TX 77041

Cookson Airspread, Ltd.
P.O. Box 122
Feilding, New Zealand
☎64-63-35027

Cooper Copters Inc.
221 Sioux
Mount Vernon, WA 98273

Copter Inc.
1391 Boston Mills Road
Peninsula, OH 44264

Copters Unlimited Inc.
Laconia Airport
Laconia, NH 03246
☎603-528-2761

Coral Helicopters Inc
P.O. Box 1021
Cape Coral, FL 33904

Cordoba Helicopters, Inc.
Rural Delivery 1
Applegrath Road
Highstown, NJ 08520
☎609-448-0031

Corporate Jets Inc.
Allegheny County Airport
W. Mifflin, PA 15121

Corpus Christi Oil & Gas
P.O. Box 2928
Corpus Christi, TX 78403
☎512-289-0006

Corvallis Aero Service Inc.
P.O. Box 606
Corvallis, OR 97330

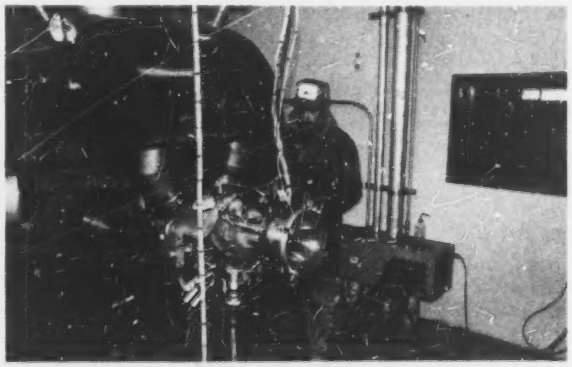
Costa Mesa Police Department
99 Fair Drive
Costa Mesa, CA 92626
☎714-754-5376

County of Ventura Public Safety Aviation Unit
275 E. Pleasant Valley Road
Camarillo, CA 93010
☎805-484-3601
Pilot: Chris Spangenberg
Operations: EMS/air ambulance, Fire control/support, Government agency (not for hire), Law enforcement (for hire)
Helicopters: 3-204B, 1-47G3

100 YEARS OF EXPERIENCE

Technicians in our engine shop have a combined total of 100 years experience in repair and overhaul of helicopter engines. For 28 years, Columbia's maintenance force has supported its fleet. Sixty-eight of our maintenance personnel are A&P-licensed mechanics.

The experience we gained can be a big asset to your maintenance program. Because Columbia is an operator, we know what you want and expect. That's why we say, "When it comes to helicopter maintenance, we care because we know you care."



COLUMBIA HELICOPTER'S ENGINE TEST CELL is one example of our commitment to a thorough maintenance repair/overhaul facility.

Engines
Complete repair/balancing/overhaul of Allison 250 series, GE CT58 series; exchange program available.

Hydraulics
Overhaul of all Bell actuators, servos, pumps; all Abex servos, pumps

Components
Rotor system, transmission overhaul/repair; sheet metal repair; NDT facility; complete component overhaul/repair on Bell 206 series and Hiller 12E/J; avionics, instruments, electrical repair/overhaul/installation

COLUMBIA HELICOPTERS, INC.
Aurora State Airport
Aurora, Oregon 97002

Mailing address: Box 3500, Portland, OR 97208
Telephone: (503) 657-1111 Telex: 36 0307

COMPETITIVE PRICING — QUICK TURN-AROUND TIME — FAA REPAIR STATION #4590

You can (and should) share in the many benefits of membership in the Helicopter Association

Regardless of what your role may be in the helicopter industry ... you will benefit measurably from membership in the Helicopter Association International.

The Helicopter Association International was created in 1948 to advance the professional stature of the commercial helicopter operator and to promote the safe and effective use of the helicopter in commerce and public service.

HAI membership overview

40% of the members are helicopter operators,
35% are associate members ... manufacturers or suppliers to the industry, and
25% are affiliate organizations or individuals interested in following industry events.

HAI's balanced membership mix truly represents the varied components of the entire civil helicopter industry. HAI is a collective forum which *equally* represents its operator members — small and large.

HAI member profile

67% of the HAI operator members operate five or fewer helicopters, and
88% of the associate members are mid-to-small sized firms.

Regardless of your company's size or role in the industry,
there is a place for you in the
Helicopter Association International.

To find out how you can benefit from membership in HAI, please write today for membership information and an application. Just return the post-paid card on page 96A. Turn to page 240 for a detailed look at HAI.

Helicopter
Association
International

A unique combination

Double your exposure in 1986

Participate as one of more than 260 civil helicopter industry exhibitors expected at the 38th Helicopter Association International's Annual Meeting & Industry Exposition, January 26 - 29, 1986 in Anaheim, California ... the worlds most concentrated gathering of qualified buyers.

And then ...

Double your exposure with an advertisement in The 1986 Helicopter Annual ... an unmatched industry reference guide. With its controlled circulation of 22,000 copies, your message reaches every known operator in the world, including corporate, government and law enforcement flight departments.

... And the annual is in use by them for an entire year.

Special combination rate for exhibitors

Exhibiting firms will receive a special combination rate for advertising space in The 1986 Helicopter Annual.

For more information, fill out and return the adjoining post paid reply cards, or call HAI at 202-466-2420.

Country Boy Crop Dusting Co.
Route 1, Box 90
Tolleson, AZ 85353
☎602-936-3018

Court Helicopters (PTY.) Ltd.
P.O. Box 2546
Cape Town, 8000, South Africa
☎9312288 □5720696
Chief Executive: Aat Slot
Operations Manager: Jeremy Labuschagne
Docks Manager: Ted Huddlestone
Chief Inspector: Brian Suter
Operations: Agriculture, Construction, Electronic news gathering, EMS/air ambulance, Executive transport, External cargo, Fire control/support, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Pollution detection/monitoring, Private owners, Repair station (FAA certified), Sightseeing, Traffic surveillance
Helicopters: **1**-S62A,**6**-S58T,**1**-S61N,**2**-47G3B1, **2**-47G5,**1**-206L,**8**-206B

Cove Helicopter Service Inc.
288 Haddon Place
Addison, IL 60101

Craig Helicopter Inc.
P.O. Box 696
Craig, CO 18626

Crane Helicopter Services Inc.
P.O. Box 4041
Fremont, CA 94539
☎415-657-3001
President: Steven W. Lotspeich
Maintenance Director: John T. DeStories
Operations: Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry general, Patrol (power, pipeline, buried cable), Photography
Helicopters: **1**-S58T,**1**-500C

Crasberger & Austel
Hubschrauberdienst
Faulksteiner Str. 37
D-7101 Oedheim, West Germany
☎07136-7985

Crescent Airways, Inc.
N. Perry Airport
7501 Pembroke Road
W. Hollywood, FL 33023
☎305-987-1900
President: Larry D. Stevens
V.P., General Manager: Dean H. Shealey
Director, Operations/Chief Pilot: William Evans
Director of Maintenance: Gary J. Freeman
Operations: Agriculture, Air taxi/charter (US part 135), Bank paper transportation, Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Pollution detection/monitoring, Repair station (FAA certified), Sightseeing, Traffic surveillance
Helicopters: **10**-206B

Crescent Helicopters, Inc.
5701 Industrial Highway
Gary, IN 46406
☎219-944-2301

Crescent Helicopters, Inc.
620 S. 23th Avenue
Bellwood, IL 60104
☎312-544-9580

Crew Concepts, Inc.
2950 S. Owyhee Street
Boise, ID 83705
☎208-344-4691
President: John J. Shelstad
Director of Aviation Management: Kieth Watson
Director of Maintenance: Hal DeGrange
Operations: Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing
Helicopters: **1**-B212

Croman Corporation
3650 Biddle Road
Medford, OR 97401
☎503-772-2731

Crop Cair
4287 Witherden Road
Marion, NY 14505
☎315-926-4843

Crop Fertility Specialists Inc.
306 E. 13th Street
P.O. Box 190
Winamac, IN 46996

Crop Flight Inc.
P.O. Box 445
Greenfield, CA 93927

Crowsnest Air, Ltd.
Box 777
Sparwood, BC, V0B 2G0, Canada
☎604-425-6966

Cruzeiro Taxi Aereo S.A.
Avenue Almirante Frontin, 381
Rio de Janeiro, 21030, Brazil
☎021-270-8582 □02121400
President: Leopoldino Amorim
Operations Director: Aristo Neves
Chief Pilot: Baudry Lins
Superintendent Director: Renato J. Rosenburg
Operations: Air taxi/charter (US part 135), External cargo, Offshore, Photography, Sightseeing, Logging, Executive transport, Exploration
Helicopters: **3**-330J,**9**-318C,**7**-350B,**5**-206B

Cumberland Corporation
P.O. Box 40
South Windham, ME 04082
☎207-892-4000
President: L.J. Keddy
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-500D,**1**-47G3

Custom Helicopters Ltd.
Box 249, Station A
Winnepeg, MB, R3K 2A1, Canada
☎204-338-7953 □0757133
President: J.M. Hawes
Vice President/Operations Manager: E.W. Derkach
Vice President: D.R. McDougall
Chief Pilot: J.H. Beeman
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified)
Helicopters: **11**-206B

Cypress Helicopters
P.O. Box 5034
Thidodaux, LA 70302

D & G Air Service
13 Quanapoag Road
E. Freetown, MA 02717
☎617-763-2746

D.C. Helicopters
R.D. Jones Road
Cohcton, NY 14826
☎716-384-5333

D.O.C., Inc.
5161 River Road
Bethesda, MD 20816
☎301-951-1381 □898452
President: P.E. Hixon
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **1**-206B

DHL Airways Inc.
No. 295
15311 W. Vantage Parkway
Houston, TX 77032

DOT Aircraft Corporation
1000 Crocker Road
Westlake, OH 44154

Dakota Helicopters, Inc.
Box 657
Beulah Municipal Airport
Beulah, ND 58523

Dallas County Sheriff's Department
507 Pettus Street
Selma, AL 36701
☎205-872-7118

Dallas Police Department Helicopter Section
5775 S. Hampton Road
Dallas, TX 75232
☎214-339-3109
Commander: Lt. W. E. Ricketts
Sergeant: Don Crum
Operations: Law enforcement (not for hire)
Helicopters: **2**-206B,**2**-B47G

Dana Corporation
Route 4
P.O. Box 297A
Swanton, OH 43558
☎419-535-4625 □286402
Director: Carl Ramsey
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-S76A

Danaher Equipment Corp.
P.O. Box 2278
N. Canton, OH 44720

Danair, Inc.
P.O. Box 1000
Toledo, OH 43697
☎419-535-4500

Darvill Helicopters, Ltd.
Box 1503
Grande Prairie, AB, T8V 4Z3, Canada
☎403-532-1722

Daybreak Farms Inc.
27025 N.E. 82nd Avenue
Battle Ground, WA 98604

Daytona Beach Aviation
1225 Wildcat Drive
Daytona Beach, FL 32014
☎905-255-0471

De Brie Helicopters
P.O. Box 732
Delano, CA 93215

De la Societe Lufttransport S.A.
Lot Nr. P 7
Les Cocotiers
BP 955, Cotonu, Benin
☎300064 □5134

DeKalb County Police Department
4400 Memorial Drive
Decatur, GA 30032
☎404-294-2537

DePauw Construction, Inc.
P.O. Box 3039
Amarillo, TX 79106
☎806-383-7511

DeVan-Weber Helicopters, Inc.
P.O. Box 84
Convent, LA 70723
☎504-524-8121

Deans Air Service
Rural Route 2
McCune, KS 66753

Deer Trappers Aerial Ltd.
P.O. Box 767
Invercargill, New Zealand
☎IN-89942

Del Air Inc.
P.O. Box 282
Bayard, WV 26707

Delaware State Police
State Highway Administration Building
Box 430
Dover, DE 19901
☎302-736-5951

Delray Training Center Inc.
Rural Route 1
Box 302
Delray Beach, FL 33446

Delta Air Corp.
Manila Domestic Airport
Pasay
Metro Manila, Philippines
☎8322706 □64010

Delta Avia Fluggerate GmbH
Flughafen
5406 Winningen, West Germany
☎02606-881-2 □862312

Delta Helicopter School, Ltd.
6455 64th Street
Delta, BC, V4K 4E2, Canada
☎604-946-0277

Delta Helicopter Service, Inc.
47 Eastern Boulevard
Glastonbury, CT 06033
☎203-633-1808
President: Herbert G. Chambers
Chief Pilot: Thomas R. Flanagan
Operations: Air taxi/charter (US part 135),
Bank paper transportation,
Electronic news gathering, Executive transport,
Forestry, general, Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Sightseeing, Skiing,
Traffic surveillance
Helicopters: 1-206B

Delta Helicopters
P.O. Box 177
High Level, AB, T0H 1Z0, Canada
☎403-926-3848

Corwin D. Denney
9500 Wilshire Boulevard
Beverly Hills, CA 90212
☎213-275-4589
Owner: Corwin D. Denny
Operations: Private owners.
Helicopters: 1-206B

Denver Police Helicopter Unit
Hangar 5
Stapleton Airport
Denver, CO 80207

Department del Distrito Federal-Servicios Aereos
Apartado Postal 9-007
Mexico D.F. 15620, Mexico
☎905-558-2416
Chief Pilot: Captain Max F. Diaz
Pilot: Captain Michael W. Leopold
Operations: Government agency (not for hire)
Helicopters: 1-B212

Department of Aviation Aircraft Data Section
P.O. Box 367
Canberra City, ACT 2601, Australia
☎684051 □62221
Senior Aircraft Data Officer: P.H. Meier
Operations: Government agency (not for hire)

Department of Transport
Flight Services Branch
58 Service Road
Ottawa, ON, K1V 9B2, Canada
☎613-998-3146

Department of Transportation
Division of Aeronautics
120 N Street
Sacramento, CA 95814
☎916-322-3090

Derazona Air Service P.T.
P.O. Box 283/JKT
Jakarta, Indonesia
☎485526 □48179
President: Ken Broyles
Director: Asril Lamisi
Flight Operations Manager: Milton C. Smith
Chief Pilot: Achmad Machfuld
Operations: Air taxi/charter (US part 135),
Executive transport, Exploration,
Forestry, general, Offshore
Helicopters: 8-B212,7-206B,1-313B

Detenal Transportes Aeroes
Avenue Santos Duaant, No. 252
Hangar Detenal
Aeropuerto International, DF 9, Mexico

Detroit Police Department
11187 Gratoit Avenue
Detroit, MI 48213

Diamond Aviation Inc.
4533 Pasadena Boulevard
Pasadena, TX 77503

Diamond Shamrock Aviation Co.
Blue Grass Field
Lexington, KY 40510
☎606-666-7581
Pilot: Dean Sinor
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-206L

Dick Hill Helicopters & Flying Service, Inc.
P.O. Box 10603
Springfield, MO 65806
☎417-485-3474

Dick Sawyer International Inc.
P.O. Box 402
Yukon, OK 73099
☎405-354-8878 □796064

Dick Smith Adventure Pty. Ltd.
P.O. Box 389
N. Ryde, NSW, 2113, Australia
☎02-888-3200 □AA20036
Managing Director: Dick Smith
Operations: Private owners,
Corporate (US part 91, not for hire)
Helicopters: 1-206B

Digham Ltd
1 First Canadian Place
Suite 7010
Toronto, ON, M5X 1C7, Canada
☎416-862-7568

Digital Equipment Corporation
Hangar 5
Hanscom Field
Bedford, MA 01730
☎617-276-4980
President: Kenneth Olsen
Chief Pilot: Thomas Chestnut
Maintenance Manager: Walter Hansen
Douglas Hammond
Operations: Corporate (US part 91, not for hire),
Executive transport
Helicopters: 8-206B

Dinland Aviation
P.O. Box 1115
Vernal, UT 84078
☎801-789-4612

Distacom Aviation, Inc.
207, 4266 Grange Street
Burnaby, BC, V5H 1P1, Canada
☎604-438-7131

Diversified Helicopter Service
8608 Tacoma Avenue, South
Tacoma, WA 98444
☎206-535-2206

Doan Helicopter INC
P.O. Box 821
Daytona, FL 32015

The Dolezal Company
4251 S. Higuera Street
San Luis Obispo, CA 93401
☎805-544-3990
President: Warren F. Dolezal
Operations Manager: Brad W. Dolezal
Operations: Air taxi/charter (US part 135),
Construction, Electronic news gathering,
Executive transport, External cargo,
Fire control/support, Forestry, general,
Government contracting,
Law Enforcement/for hire, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Sightseeing, Skiing,
Traffic surveillance
Helicopters: 1-206L

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Helicopter Association International

Dollar Air Services Limited
(Dollar Helicopters)
Coventry Airport
Coventry, CV8 3AZ, England
☎0203-304231 □311392
Chairman: D.G. Dollar
Managing Director: M. J. Orme
Chief Pilot: M.A. Cull
Engineering Director: R. Neep
Operations: Agriculture,
Air taxi/charter (US part 135), Construction,
EMS/air ambulance, Executive transport,
Exploration, External cargo, Fire control/support,
Forestry, general, Government contracting,
Logging, Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Pollution detection/monitoring,
Repair station (FAA certified), Sightseeing,
Traffic surveillance
Helicopters: **10**-206B,**2**-315B,**1**-350B,**6**-B47G,
2-SL17

Dolphin Aviation Inc.
P.O. Box 13005
Sarasota, FL 33578

Dome Petroleum Limited
770 McTavish Road, N.E.
Calgary, AB, T2E 7G6, Canada
☎403-230-1151 □03826883
President: W. King
Operations Manager: B. Woods
Chief Pilot, Rotary Wing: Selwyn Howe
Operations: Corporate (US part 91, not for hire),
External cargo, Offshore
Helicopters: **1**-B105,**1**-S61N,**1**-S76A

Dominion Pegasus Helicopters
P.O. Box 637
Dryden, ON, P8N 2Z3, Canada
☎807-937-4417

Don Davis Aviation
Route 2, Box 28
Henderson, KY 42420
☎502-827-5623

Don's Helicopter Service, Inc.
Donlee Heliport
19415 Schram Road
Omaha, NE 68028
☎402-332-4504

Dooley Helicopters, Inc.
2003 Flightway Drive
Dekalb-Peachtree Airport
Chamblee, GA 30341
☎404-458-3431
President: Richard E. Budd, Jr.
Vice President/General Manager:
Ronald S. Lohmeier
Operations: Air taxi/charter (US part 135),
Electronic news gathering, Executive transport,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified)
Helicopters: **5**-206B,**1**-206L

Doosan Development Co. Ltd.
108-4 Soosong-Dong, Jongro-Ku
Hapdong Building, Room 305
Seoul, 110, Korea
☎724-0151 □22182

Doral Airways, Inc.
P.O. Box 37248
Houston, TX 77036

Douglas Air Services
Allied Bank Center, 11th Floor
Ayala Avenue
Makati, Metro Manilla, Philippines

Dow Jones & Company, Inc.
P.O. Box 7006
W. Trenton, NJ 08628
☎609-882-4516
Chief Pilot: Gregory Miller
Assistant Chief Pilot: Sandy N. Kaplan
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-B0105C

Downey Police Department
8425 E. End Street
Downey, CA 90241
☎213-861-0771

Drug Enforcement Admin.
P.O. Box 534
Addison, TX 75001
☎241-767-4313

Drug Enforcement Admin.
334 Meeting Street, Room 63
Charleston, SC 29403
☎803-724-4351

Drug Enforcement Admin.
600 Arch Street, Room 10224
Philadelphia, PA 19106
☎215-597-9530

Drug Enforcement Admin.
5301 Central Street, N.E.
Suite 900
Albuquerque, NM 87018
☎505-766-3285

Drug Enforcement Admin.
100 E. Palisades, C-12
Englewood, NJ 07631

Drury Flying Service
32115 Colburg
Bottom Loop Road
Eugene, OR 97401
☎503-344-1938

E.I. Du Pont Nemours & Company
General Services Department
D 3131
Wilmington, DE 19898
☎302-774-7755
Manager, Services Section: Kendall S. Tesh
Operations: Corporate (US part 91, not for hire),
Executive transport.
Helicopters: **1**-S76A

Duncan Aviation, Inc.
P.O. Box 81887
Lincoln, NE 68501
☎402-475-2611 □484365
Secretary/Treasurer: Harry O. Barr
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Executive transport,
Pilot training school,
Repair station (FAA certified)
Helicopters: **1**-206A,**1**-206L,**1**-B212

Dye Creek Cattle Company
P.O. Box 308
Red Bluff, CA 96080
☎916-527-0175

EJ Helicopters, Inc.
(Electronic Journalism)
321 N. Hollywood Blvd.
Burbank, CA 91505
☎818-841-0401
President: Robert H. Pettee, Jr.
Operations: Air taxi/charter (US part 135),
Electronic news gathering
Helicopters: **1**-206B

ERA Helicopters, Inc.
6160 S. Airpark Drive
Anchorage, AK 99502
☎907-248-4422 □25324
President: David L. Baumeister
Senior Vice President: Charles W. Johnson
Vice President: Wilbur O'Brien
Vice President, Maintenance: Dana Rudd
Chief Pilot: Ron Smith
Operations: Air taxi/charter (US part 135),
Commuter air carrier (scheduled), Construction,
EMS/air ambulance, Executive transport,
Exploration, External cargo, Fire control/support,
Forestry, general, Herding (stock & wildlife),
Logging, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Repair station (FAA certified), Sightseeing,
Skiing, Traffic surveillance
Helicopters: **2**-214ST,**16**-B0105,**1**-S61N,**1**-332C,
2-222UT,**12**-350D,**24**-206B,**14**-206L,**6**-205A,
1-355F,**16**-B212,**13**-B412

Eagle Air Helicopters, Inc.
P.O. Box 1555
Forks, WA 98331
☎206-374-9276
President: James D. Mott
Operations: Air taxi/charter (US part 135),
Construction, Exploration, External cargo,
Fire control/support, Forestry, general,
Government contracting, Logging, Photography
Helicopters: **1**-500D

Eagle Air Service GmbH.
Postfch 11
Airport Baden-Baden
7570 Baden-Baden, West Germany
☎07221-51441 □781156

Eagle Copters Ltd.
823 McTavish Road, N.E.
Calgary, AB, T2E 7G9, Canada
☎403-230-3461 □03-827678

East Coast Helicopters Inc.
2440 Mendon Road
Cumberland, RI 02864
☎401-769-5786
President: Raymond Lambert
Chief Pilot: Russ Johnson
Operations: Air taxi/charter (US part 135),
Electronic news gathering,
Law enforcement (not for hire), Photography
Helicopters: **1**-206B

East Coast Helicopters, Inc.
Rural Delivery 2
Box 89A
Gettysburg, PA 17325
☎717-334-0280

East Kentucky Paving Corp.
P.O. Box 368
Grayson, KY 41143
☎606-474-5755
President: J.E. Ruth
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B

East West Helicopter Inc
9005 Kilby Road
Harrison, OH 45030

Eastern Helicopters Corp.
P.O. Box 7455
Hollins, VA 24019
☎703-992-2000

Ecuavia - Oriente S.A.
Aeroporto 3418
Avda. America 3913
Quito, Ecuador
☎247415

Edgeworth Helicopters Ltd.
919 Quinton Road
London, ON, N6H 3A8, Canada
☎519-453-3451

Edwards & Associates, Inc.
P.O. Box 3689
Bristol, TN 37625
☎615-538-5111 □553446
President: Robert McNab
Chief Pilot: Paul Schreuder
Vice President: James Wolfe
Operations: Air taxi/charter (US part 135), Executive transport, Government contracting, Photography, Repair station (FAA certified), Sightseeing
Helicopters: **4**-206B,**1**-206L

Eichenberger Aviation AG.
Flugplatz
5630 Buttwil, Switzerland
☎057-451190 □53439

Eisenhut Aviation AG
P.O. Box 148
FL 9493
Mauren, Liechtenstein
☎075-33355 □77027
President: Ueli Eisenhut
Operations: Executive transport, Photography, Pilot training school, Private owners, Sightseeing
Helicopters: **1**-FH11

El Aero Services, Inc.
P.O. Box 149
Elko, NV 89801
☎702-738-7123
President: Joseph W. Green
Service Manager: Ted R. McBride
Chief Pilot: John M. Kelly
Operations: Air taxi/charter (US part 135), Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Patrol (power, pipeline, buried cable), Repair station (FAA certified), Sightseeing, Skiing
Helicopters: **4**-206B,**3**-47G3B1,**1**-206L

El Aero Services, Inc.
P.O. Box 437
E. Ely, NV 89315
☎702-289-8804
Manager: Jack Fulton
Operations: Air taxi/charter (US part 135), Exploration, Government contracting, Herding (stock & wildlife), Sightseeing
Helicopters: **1**-47G3B1,**1**-206B

El Espacio
Avda. Insurgentes Sur 568
Mexico City 12, DF, Mexico
☎5-5436915

Elba Air Dusters
Box 186
Elba, NY 14058
☎716-656-6871

Electricity Generating Authority of Thailand
Aviation Unit
Nonthaburi, Thailand
☎4240293
Aviation Unit: Thanut Boonyanunt
Operations: Executive transport, Government agency (not for hire), Patrol (power, pipeline, buried cable)
Helicopters: **1**-47G3,**2**-206A

Eli Servizi Italiani
Srl. Elli Giana
Heliport Masera
Masera, 28030, Italy
☎0324-35395 □200063

Eli Transport Italiani SQS.
Reg Remise
Arnad-Aosta, 11020, Italy
☎0125-966075 □214411

Eli-Alpi S.p.A.
11026 Pont Saint Martin
Aosta, Italy
☎0125-82388 □212185

Elicaffaro S.p.A.
Via Privata Vasto 1
20121 Milan, Italy
☎02-62011

Elicompany SNC.
Aeroporto de Carpi
Via Grilli 5/A
41012 Carpi, (Modena), Italy
☎059-660344

Eliconsorzi Viticoltori SNC.
Via Madonna 2
14040 Mongardino
Asti, Italy
☎0141-51221 □215083

Elifriulia
Grado 1-34073
(GO) Piazza San Marco 3
34073 Grado, Gorizia, Italy
☎0431-80521

Eliiticino SA
Aeroporto Cantonale Locarne
6596 Gordoola, Switzerland
☎093-672222 □846200

Elilario
Via Mazzini 4
Sondrio
Como, Italy
☎0342-210550

Elilombardia
Via Lama Eliporto
24023 Clusone, Italy
☎035-223325

Elitalia S.p.A.
Via Milano 120
38100 Rento, Italy
☎0461-983501

Elitaliana Spa Flamminisprayer
Viale Della Regione
Siciliana 7723
90146 Palermo, Italy
☎091-464128

Elitos Helicopters S.p.A.
Via Nicolo Paganini, 66
Florence 50127, Italy
☎55-43961 □570616
President: Osvaldo Gigliotto
Vice President: Emilio Drach
Senior Director: Gian F. Blower
Operations: Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Pilot training school, Pollution detection/monitoring
Helicopters: **6**-330J,**1**-B212,**1**-B412,**1**-109A, **2**-B105

Ellwood Helicopters Ltd.
Box 345
Opotoki, New Zealand
☎WA-880

K.W. Emerson
Box 29
Arnold, CA 95223
☎209-795-1045
President: Ken Emerson
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-47G3

Emery Air Charter
Box 6067
Rockford, IL 61125
☎800-435-8090

Emery Aviation Inc.
661 Buss Avenue
Greeley, CO 80631

Emory Aviation
3333 Hitchcock Drive
Denison, TX 75020
☎214-786-3333 □730294
Chairman & CEO: Gregory T. Hitchcock
President: James Carl Paris
President: J. Carl Paris
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-500D,**1**-350D,**1**-355F

Energy Fuels Nuclear Inc.
Three Park Central, Suite 900
1515 Arapahoe
Denver, CO 80202
☎303-623-8317

Energy Helicopters, Inc.
P.O. Box 9023
401 Glynn Avenue
Houma, LA 70361
☎504-876-0080
President: William Clifford Smith
Director of Operations: Peter Luistro
General Manager: T. L. Duhe
Chief Pilot: Thomas Triplett
Operations: Air taxi/charter (US part 135), Repair station (FAA certified), Construction, Corporate (US part 91, not for hire), Executive transport, Exploration, External cargo, Offshore, Patrol (power, pipeline, buried cable), Photography
Helicopters: **2**-500D,**6**-350D,**5**-355F

Englehart Aviation
404 N. Danehurst Avenue
Covina, CA 91724

Enterprise Helicopters, Inc.
P.O. Box 12985
Reno, NV 89510
☎702-331-1728
President: R. G. Franklin
Operations: Air taxi/charter (US part 135), External cargo, Patrol (power, pipeline, buried cable), Photography, Herding (stock & wildlife), Skiing, Pilot training school
Helicopters: **1**-206B

Envirogas, Inc.
One Grimsby Drive
Hamburg, NY 14075
☎716-648-3400
Director of Flight Operations: Tony Cosimano
Operations: Corporate (US part 91, not for hire)
Helicopters: **2**-500D,**1**-350B,**1**-355E

Erickson Air Crane, Co.
P.O. Box 3247
Central Point, OR 97502
☎503-664-5544 □151673
President: Jack Erickson
Operations Manager: Jack Montgomery
Chief Pilot: Mike Rarity
Director of Maintenance: Sandy Ellis
Operations: Construction, External cargo, Fire control/support, Forestry, general, Logging, Repair station (FAA certified)
Helicopters: **1**-204B,**1**-206B,**1**-UH12E,**1**-500C, **4**-S64E,**2**-47G3B1

Esen Associates VIII
Suite 2100
Lincoln First Tower
Rochester, NY 14603

Esso Australia Ltd.
P.O. Box 372
Sale, Victoria, 3850, Australia
☎051-495201 □AA55120
Helicopter Division Superintendent: A.R. Adams
Operations Supervisor: M.J. Ward
Aviation Advisor: M.J. Meehan
Aviation Advisor: J.C. Ross
Chief Pilot: L.D. Knight
Operations: Commuter air carrier (scheduled), Corporate (US part 91, not for hire), EMS/air ambulance, Executive transport, Exploration, External cargo, Mechanic training school, Offshore, Photography, Pilot training school, Private owners, Repair station (FAA certified)
Helicopters: **6**-S76A,**3**-B212,**2**-205A

Estlin Air Services Ltd.
P.O.Box 445
Chetwynd, BC, V0C 1J0, Canada
☎604-788-3771

Euralair
Le Bourget Aeroport
93350 Paris, France
☎1-8389273 □230662

Evergreen Air Center, Inc.
Pinal Air Park
Marana, AZ 85238
☎602-662-3671 □165575

Evergreen Helicopters of Alaska, Inc.
1935 Merrill Field Drive
Anchorage, AK 99501
☎907-276-2454 □09026470

Evergreen Helicopters of Alaska, Inc.
P.O. Box 72
Cold Bay, AK 99571
☎907-532-2382

Evergreen Helicopters of Alaska, Inc.
P.O. Box 1091
Nome, AK 99762
☎907-443-5334

Evergreen Helicopters of Alaska, Inc.
Pouch 340121
Prudhoe Bay, AK 99734
☎907-659-2457

Evergreen Helicopters, Inc.
Fawkners, Preston Candover
Basingstoke, HANTS, RG25 2DU
England
☎44-256-87203 □858-403-EUR LAW G

Evergreen Helicopters Inc.
5604 Old Brownsville Road
Corpus Christi, TX
☎512-845-9955

Evergreen Helicopters, Inc.
7815 S. Peoria
Englewood, CO 80112
☎303-790-1717 □450196

Evergreen Helicopters, Inc.
Rt. 3, Box 19B
Galveston, TX 77551
☎409-740-0231 □765445

Evergreen Helicopters, Inc.
Rt. 2, Box 246
Prattville, AL 36067
☎205-365-1888 □782338

EVERGREEN HELICOPTERS

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- total capabilities & worldwide expertise
- diversified fleet for diversified markets
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- management contracts/joint ventures

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- modifications, rebuilds, avionics
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Evergreen Air Center: Pinal County Air Park
Marana, Arizona 85238
Phone: 602-682-4181 Telex: 165575

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- management contracts

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- expertise in machine selection & trades
- materiel support
- inventory control management

EVERGREEN INTERNATIONAL AVIATION, INC.

Corporate headquarters: 3850 Three Mile Lane
McMinnville Oregon 97128
Phone: 503-472-9361 Telex: 360841

QUALITY makes the difference. **EVERGREEN** makes it possible.

102 **Evergreen International Aviation, Inc.**
3850 Three Mile Lane
McMinnville, OR 97128
☎503-472-9361 □360841
President: Delford M. Smith
Vice President International Marketing: Bob Fox
Vice President Domestic Marketing: Walt Barnard
Vice President Operations: Harold Eighme
Chief Pilot: Wade Green
Operations: Agriculture, Air carrier (US part 127), Air taxi/charter (US part 135), Bank paper transportation, EMS/air ambulance/medivac, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified)
Helicopters: **1**-S64,**13**-B212,**8**-205A,**7**-315B, **7**-316B,**1**-BK117,**2**-206L,**4**-318C,**17**-500D, **9**-SL12,**2**-UH12E,**19**-206B,**1**-355F,**10**-B105

Execu-Rotors Helicopters
620 Meadow Wood Road
Mississauga, ON, L5J 2S3, Canada
☎416-822-8236

Executive Air Fleet Corporation
90 Moonachie Avenue
Teterboro, NJ 07608
☎201-288-8400 □134408
President: F.J. Schmieder
Executive Vice President: W.B. Watt
Operations Manager: J.C. Christiansen
Chief Pilot: C.W. Hough
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Executive transport
Helicopters: **4**-S76A

Executive Air Link
P.O. Box 62025
Houston, TX 77205
☎713-230-1251
Chief Executive Officer: Michael Mark
Vice President, Sales & Service: H. T. Myers
Vice President, Flight Operations: Ronald Wright
Operations: Air taxi/charter (US part 135)
Helicopters: **1**-206L

● ***Indicates page of advertisement***

Executive Air Link
Cluster Box 3, No. 39
20221 Stuebner Road
Spring, TX 77379
☎713-370-8542

Executive Air Piper Sales, Inc.
Austin Straubel Field
Green Bay, WI 54303
☎414-499-4545

Executive Air Service Inc
Simonds Road
Williamstown, MA 01267

Executive Air Taxi Corp.
Box 2273
Bismark, ND 58501
☎701-258-5024

Executive Bell Limited
P.O. Box 3497
Santa Barbara, CA 93105

Executive Helicopter Services Inc.
P.O. Box 161706
Miami, FL 33116
☎303-232-3902
Vice President, Operations: James P. Hunter
Vice President, Marketing: Charles W. Burkett, IV
Operations: Air taxi/charter (US part 135),
Executive transport, Exploration,
Electronic news gathering, Sightseeing,
Photography, Offshore
Helicopters: **2**-206B

Executive Helicopter, Inc.
5300 W. 63rd Street
Chicago, IL 60638
☎312-284-7385
President: William A. Stamer
Vice President: Roxanne M. Stamer
Operations Manager: Ralph C. Rosenbrock
Chief Pilot: Frederick "Chip" Wiggins
Operations: Air taxi/charter (US part 135),
Bank paper transportation,
Electronic news gathering, EMS/air ambulance,
Executive transport, External cargo,
Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified),
Sightseeing, Traffic surveillance
Helicopters: **1**-206B,**4**-F28A,**1**-206L,**1**-F28C,
1-355F

Executive Helicopters, Inc.
Box 1213
Great Falls, MT 59403
☎408-727-8907

Executive Jet Sales, Inc.
Port Columbus International Airport
P.O. Box 19707
Columbus, OH 43219
☎614-239-5573 □24-5495

Express Helicopters Ltd.
Steeple, Southminster
Essex, England
☎0621-772354

Express Marine, Inc.
29th Street on the Delaware River
Camden, NJ 08105
☎609-541-4600
Chief Pilot: Jeffery A. Tait
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206L

Exxon Company USA
P.O. Box 60766
Houston, TX 77205
☎713-656-2063
Aviation Manager: C.L. Andrus
Aviation Co-Ordinator: W.L. McKeown
Operations: Corporate (US part 91, not for hire),
Executive transport, Offshore
Helicopters: **4**-S76A,**1**-B212,**1**-206L

F.D. Henderson Flying Service
P.O. Box 98
Artesia Wells, TX 78001
☎512-676-3455

FAF-Trabajos Aereos y Fotogrametricos S.A
Maestro Nicolau 21
Barcelona 21, Spain
☎93-200294 □52199

Fairlift
Aerodrome de Mondesir
91150 Etampes, France
☎6-4956689

Fairmont Helicopter Service
Box 149
Fairmont, BC, V0B 1L0, Canada
☎604-345-6369

Falcon Helicopters Inc.
Norman Rogers Airport
Kingston, ON, K7M 4M1, Canada
☎613-389-8539

Far Eastern Air Transport
13 Nanking E. Road Section 3
Taipei 104
Taiwan, Republic of China

Farm & Forest Helicopter Service
P.O. Box 404
Napavine, WA 98565
☎206-262-3197

Farm Air Service
P.O. Box 1737
500 W. Main Street
Calipatria, CA 92233
☎714-348-2243

Farmers Aerial Spraying Serv.
Rural Route 3, P.O. Box 114A
Muleshoe, TX 79347

Farmland Helicopters, Inc.
Route 3, Box 148
Kenyon, MN 55946
☎507-789-5883

Farwell Flying Service Inc
Rural Delivery 3
Albion, NY 14411

Felts Field Aviation Inc.
P.O. Box 11877
Spokane, WA 99211

Fenwick Aviation
Aerodrome de Toussus
Le Noble BP3
Buc, 78350, France

Ferguson Helicopters
Box 129
Sydney, NSW, 2001, Australia
☎02-9696679

Fieldair Holdings (Northern)
Box 205
Thames Aerodrome, New Zealand
☎0843-86100

Finning Tractor & Equipment Company Limited
555 Great Northern Way
Vancouver, BC, V5T 1E2, Canada
□04 508717
Pilot: R.J. Jeffery
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-341G

Fiordland Flights
Box 177
Te Anau, New Zealand
☎TE-7799

First Pennsylvania Bank N.A.
3020 Market Street
Philadelphia, PA 19101
☎215-786-6146

Fiskflyg A.B.
Box 830
S-96046 Porjus, Sweden
☎0973-10245

Fjall-Flyg
Box 170
981 23 Kiruna, Sweden
☎0980-13610

Fjallflygarna I Arjeplog AB
Adolfstrom
930 93 Laisvall, Sweden
☎0961-23040

Flathead Helicopters
Route 1, Box 172
Polson, MT 59860
☎406-883-4238

Fleet Helicopter Services
Route 309 & Hilltop Road
Coopersburg, PA 18036
☎215-282-4100 □5106513426

Flight International, Inc.
1954 Airport Road
Atlanta, GA 30341
☎404-455-4864

Flight Test Engineering
P.O. Box 4563
Santa Clara, CA 95054
☎408-248-6393

Flight Trails Helicopters
2192 Palomar Airport Road
Carlsbad, CA 92008-4892
☎619-438-3600

Flimark Corporation
W. Maintenance Area
P.O. Box 1012 MCC
Makati, Metro Manila, Philippines
☎831-2279 □64157

Florida Aviation Corporation
665 Mokena Drive
Miami, FL 33166
☎305-885-2620

Florida Plant Growth Regulators, Inc.
10307 S. Indian River Drive
Fort Pierce, FL 33450
☎305-878-3166

Florida Power & Light Company
P.O. Box 029100
Miami, FL 33102
☎305-552-3858
Manager of Aviation: Breck L. Porter
Chief of Maintenance: Don Leclerc
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B,**1**-206L

Fluor Flight Operations
1150 S. Vineyard Avenue
Ontario, CA 91761
☎714-983-3115
Senior Helicopter Captain: Bert Aukerman
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-S76A,**1**-206L

Fly by Helicopter Inc
Keune D
1400 National Bank Building
Toledo, OH 43604

Fly Haas Helicopter
Rotenhofgasse 58
1100 Vienna, Austria
☎222-624412 □14343

Fly Wright
34839 Pacific Highway South
Federal Way, WA 98003
☎206-927-1393

Flying R Helicopters
12900 Highway 101 South
Tillamook, OR 97141
☎503-842-8902

Ford Motor Credit Company
Parkland Towers East, Suite 1614
Dearborn, MI 48126

Forest Copter Services, Inc.
Folsom's Air Service
P.O. Box 507
Greenville, ME 04441
☎207-695-2821

Forestry Services Inc.
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Randle, WA 98377

Forex Inc.
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Val D'Or, PQ, J9P 4P3, Canada
☎819-825-4841 □057-45534

Fort Worth Aviation Inc
Location 7N, Meacham Field
Fort Worth, TX 76106

Fosse Helicopter Services Ltd.
Lodge Farm
Kineton
Warwickshire, England

Fostaire Helicopters
400 N. Wharf Street
St. Louis, MO 63102
☎314-421-5440
Vice President/General Manager:
Clarke M. Thomas
Director of Maintenance: Herb Baldwin
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Executive transport,
External cargo, Electronic news gathering,
Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Sightseeing, Traffic surveillance
Helicopters: **1**-B47G,**1**-206A,**2**-206B,**1**-206L

Franconaves Ltda.
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Aeropuerto la Aurora
Zona 13, Guatemala

Franklin Logging Company
P.O. Box 164
Mount Shasta, CA 96067
☎916-926-2175

Fraser, Inc.
27 Rice Street
Edmundston, NB, E3V 1S9, Canada
☎506-735-5551 □01445538
President: K. Grotterod
Operations Manager: E.A. Smith
Chief Helicopter Pilot: Brian Johnstone
Operations: Corporate (US part 91, not for hire),
Executive transport, Forestry, general
Helicopters: **1**-206L

Fredericton Helicopter, Ltd.
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☎506-357-3336

Freedom Helicopters, Inc.
Rural Route 1
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☎02993-2222

Frontier Aviation
Box 208
Dutton, MT 59433
☎406-476-3332

Frontier Helicopters, Ltd.
Box 220
Abbotsford, BC, V2S 4N9, Canada
☎604-853-5887

Fuchs Helikopter
8834 Schindellegi, Switzerland
☎01-7844241 □875154

Fugazy Air, Inc.
Smith Road
Ramapo Valley Airport
Spring Valley, NY 10977
☎914-352-8677
President: William Fugazy, Sr.
Vice President: Robert J. Gnecco
Operations Manager: John C. Agor
Chief Pilot: George L. Miro
Operations: Air taxi/charter (US part 135),
Executive transport,
Patrol (power, pipeline, buried cable),
Photography, Sightseeing
Helicopters: **2**-206B,**1**-206L,**1**-B222

Fuller Aviation Corp.
Airport Greenland Road
Sterling Jct, MA 01565

Fuller Aviation, Inc.
425 Verwood Court
Indianapolis, IN 46234

Fumigacion Aerea Espanola S.A.
Alferez Provisional 1
Sevilla 11, Spain
☎954-277555

G & C Helicopter, Inc.
Box 141
Elgin, OK 73538
☎219-843-4491

G & S Helicopters, Inc.
1350 N.E. 101st Street
Miami, FL 33138
☎305-751-8017

G & S Transport Corporation
Domestic Airport
Pasay, Philippines

G G Helicopters, Inc.
Route 1
Box 113
Brookland, AR 72417
☎501-942-0244

G.T. Helicopters
7652 E. Acoma Street
Scottsdale, AZ 85260
☎602-991-5325 □667-461

GAC Aircraft Company
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Savannah, GA 31402

GSM Helicopters Ltd.
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Oklahoma City, OK 73159
☎405-685-7758

Garlick Helicopters, Inc.
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☎406-363-6121 □5740117

Garrett Flying Service
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Angleton, TX 77515
☎713-922-1471

Gary's Air Service
Route 4, Box 358
Cheney, WA 99004

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Monroeville, PA 15146
☎412-372-5500

Gem State Helicopters
Route 4, Box 820
Caldwell, ID 83605
☎208-459-7978
Owner/Manager: Gary Knight
Chief Pilot: Dan Kettle
Safety Officer: Dan Odlum
Operations: Air taxi/charter (US part 135),
Construction, Executive transport, Exploration,
External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography
Helicopters: **4**-206B,**2**-SL47

Gene Branscome Investments
P.O. Box 1276
Baytown, TX 77520
☎713-420-5777
Chief Pilot: R.J. (Ric) Forns
Operations: Construction,
Corporate (US part 91, not for hire),
Executive transport, Herding (stock & wildlife),
Photography
Helicopters: **1**-206L

General Air Transportation
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Cincinnati, OH 45238
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2111 Smithtown Avenue, Hangar D
Ronkonkoma, NY 11779
☎516-588-5321 □5102286505
President: Guy Salvadore
Operations Manager: Timothy L. Breen
Chief Pilot: Frank Cotroneo
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-S76A,**1**-332L

Genting BHD
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Kuala Lumpur, West Malaysia

Geo-Seis Helicopters, Inc.
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Fort Collins, CO 80524
☎303-484-3600 □9109309448
President: William "Bill" Browder
Vice President, Operations:
Edward "Jim" Hennessy
Operations: Air taxi/charter (US part 135), Construction, EMS/air ambulance, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Skiing
Helicopters: **2**-315B,**1**-316B,**2**-206B

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Phoenix, AZ 85009
☎602-278-9576

Gilbert Aviation Industries
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Visalia, CA 93277

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Charlestown, WV 25302

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☎FO-803

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Edinburgh, EH12 0AL, Scotland
☎031-339-2321

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☎213-472-5865

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Mesa, AZ 85205
☎602-832-0600 □668446

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☎0202-578601

GoUp Helicopters
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70009 Orebro, Sweden
☎019-125440 □73420

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Dunn, NC 28334

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Roseburg, OR 97470
☎503-672-0105

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Grand Canyon, AZ 86023
☎602-638-2410 □165-714
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Operations: Sightseeing, Skiing,
Government contracting, Repair station
(FAA certified), Commuter air carrier (scheduled),
Air taxi/charter (US part 135), Photography
Helicopters: **2**-206L,**7**-206B,**1**-350D

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Yakima, WA 98903

Grand Island Helicopters Inc.
961 Carter Drive
Grand Island, NY 14072

Grasberger Austel & Co.
Helicopter Fluggesellschaft MH.
Falkensteinerstrasse 37
7101 Oedheim, West Germany
☎07136-7985

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Great Northern Air Expeditions
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Lakeside, MT 59922
☎406-844-3772

Greatland Aviation Ltd.
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Anchorage, AK 99504

Green River Aviation Inc
R.F.D. 4, Box 316
W. Brattleboro, VT 05301

Greenbelt Aviation Corporation
Box 1120
King City, CA 93930
☎408-385-5956

Greenlandair, Inc.
P.O. Box 1012
Godthaab DK, 3900, Greenland
☎22188 □90602
President: Claes Piper
Vice President-Charter Div.: Poul Lubbert
Vice President-Route Div.: Jorn Rosenberg
Vice President-Technical Div.: Jorgen Orstam
Operations: Air carrier (US part 127),
Air taxi/charter (US part 135),
EMS/air ambulance, Bank paper transportation,
Commuter air carrier (scheduled), Construction,
Corporate (US part 91, not for hire),
Executive transport, Exploration, External cargo,
Government contracting, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Sightseeing
Helicopters: **7**-S61N,**3**-206B,**5**-B212

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☎PA-73829

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Riverview, FL 33569

Grote Aviation
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☎503-432-3721

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☎603-673-4335

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Nashville, TN 37239
☎615-259-1000 □8103711548

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4810 Comal Street
Pearland, TX 77581
☎713-485-7345
President/Owner: Edward Acuna
Operations: Air taxi/charter (US part 135),
Bank paper transportation,
Electronic news gathering, Executive transport,
Exploration, Forestry, general, Herding
(stock & wildlife),
Offshore, Patrol (power, pipeline, buried cable),
Photography, Sightseeing
Helicopters: **2**-206B

Gulf Helicopter Co.
Box 811
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☎433991 □4353

Gulf Helicopter Incorporated
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Mobile, AL 36616

Gulf Helicopter Service Houston
807 Walkwood Court
Houston, TX 77079

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34130 Mauguio, France
☎67-651855

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☎402-768-7278

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☎604-596-6516

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P.O. Box 159
Kenner, LA 70063-0159
☎504-469-2000 □58364
Executive Vice President: Phil Mayeux
Vice President/General Manager:
Charles H. (Chuck) Frady
Operations Manager: Harry R. (Dick) Casterlin
Operations: Air taxi/charter (US part 135),
Government contracting, Offshore,
Patrol (power, pipeline, buried cable),
Photography
Helicopters: **2**-B0105,**4**-206L,**2**-206B

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6729 Bellheim, West Germany
☎07272-8779

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Fjallnas 17
82098 Tanndalen, Sweden
☎0684-23171

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Fort Pierce, FL 33450
☎305-878-3166

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27784 SR 159
Circleville, OH 43113

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Cloud 9 Helicopter Tours
228 Lagoon Drive, Suite 207
Honolulu, HI 96819
☎808-836-1566
President: Steven S. Fern
Senior Vice President: Sheree L. Skinner
Vice President, Administrator: Bruce J. Mayes
Vice President, Flight Operations:
Zucaria G. Baricuatro
Operations: Air taxi/charter (US part 135),
Commuter air carrier (scheduled),
Executive transport, External cargo,
Photography, Pilot training school, Sightseeing,
Traffic surveillance
Helicopters: **1**-206L,**1**-206B,**1**-500D,**1**-300C

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☎307-765-4482
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Operations Manager: Bobby J. Hawkins
Chief Pilot: John D. Moberly
Operations: Agriculture,
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Executive transport, Exploration, External cargo,
Fire control/support, Forestry, general,
Government contracting,
Herding (stock & wildlife),
Law enforcement (for hire),
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Repair station (FAA certified), Sightseeing
Helicopters: **3**-H12E,**3**-500D,**1**-500C,**1**-206B,
1-UH1B

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Heavenly Valley Helicopters, Inc.
P.O. Box 2180
Stateline, NV 89449
☎916-541-1330
President & General Manager:
William D. Killebre
Operations: Air taxi/charter (US part 135),
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Corporate (US part 91, not for hire),
Executive transport, Exploration, External cargo,
Forestry, general, Herding (stock & wildlife),
Photography, Sightseeing, Skiing
Helicopters: **1**-500D

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☎605-352-9336

Helair Aero Taxi Ltda
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☎342-1005

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Heli Air Transport
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1140 Vienna, Austria
☎0222-948686 □0134182

Heli-Aust Pty. Ltd.
Hangar 271
Bankstown Airport
Bankstown, NSW 2200, Australia
☎02-700-616 □AA 70245
Manging Director: Maxwell B. Mann
Director: Herbert D. Ray
Chief Pilot: Sam Houston
Engineer: Peter Boyle
Operations: Agriculture,
Air carrier (US part 127),
Air taxi/charter (US part 135),
Commuter air carrier (scheduled),
Executive transport, Exploration, External cargo,
Fire control/support, Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified),
Sightseeing
Helicopters: **2**-206B,**3**-47GB1

Heli Club Air Forest
Aerodrome de Lognes
Emerainville
Torcy, 77200, France

Heli Flight GmbH. & Co.
In Den Garten 14
6331 Waldsolms, West Germany
☎06085-2666

Heli Flight Service
Tieltsteenweg 107
8780 Oostrozebeke, Belgium
☎056-667623

Heli Inter
B.P. 55, Heliport de Cergy
95312 Cergy-Pontoise
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☎3-0373000

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Operations Manager: P.J. Latz
Engineering Manager: P.I. MacKenzie
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Helicopters: **1**-330J,**1**-B412,**5**-B212,**3**-206B,

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CH-Kerns, Switzerland
☎041-661170 □72652

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4 Avenue de la Porte de Sevres
Paris, 75015, France
☎01-554-9290 □260902
Chairman: Charles de Rochechouart
General Manager: Christophe Marcilhacy
Technical Manager: Pierre Carnoy
Chief Pilot: Charles Schmitt
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Construction, Executive transport, Exploration, External cargo, Forestry, general, Logging, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school
Helicopters: **13**-313B,**11**-315B,**26**-316B, **7**-341G,**2**-350B,**4**-355F,**14**-365C,**11**-PUMA

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Santiago, 09, Chile
☎224-3597 □340412
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President: Eduardo Silva de Balboa
Marketing Manager: Carlos Garcia
Operations Manager: Edward A. Jaeggi
Operations: Agriculture, EMS/air ambulance, Electronic news gathering, Executive transport, Exploration, Fire control/support, Forestry, general, Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing, Electronic news gathering
Helicopters: **1**-B105,**1**-500D,**1**-206B

Heli-Dyne Systems Inc.
P.O. Box 18967
Fort Worth, TX 76118
☎817-282-9804 □758619
President: Dee Tullos
Vice President, International Sales: Don Krause
Operations Manager: Tony Rumpel
Operations: EMS/air ambulance, Pilot training school, Repair station (FAA certified)
Helicopters: **1**-206B

Heli-France
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4 Avenue de la Porte de Sevres
Paris, 75015, France
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Emmer-Compascuum, 8725, Netherlands
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2 Place de la Liberte
Saint Quentin, 02100, France
☎23-673454

Heli-Jet Corporation
3830 Cross Street
Eugene, OR 97402
☎503-461-0310 □364419
President: Rod Kvamme
Chief Pilot: Tim Kelly
Director of Maintenance: Tim McCartney
Operations: Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Repair station (FAA certified)
Helicopters: **7**-205A

Heli-Linth AG
8753 Mollis, Switzerland
☎058-343333 □875503

Heli-Ouest
Boissy-les-Perche
La Ferte Vidame, 28340, France
☎37-376342

Heli-Rent
Jarmers Plads 1
Copenhagen V, 1551, Denmark
☎01-113585

Heli-Service NV
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B8300, Knokke Heist Bem, Belgium

Heli-Trans Colombia SA
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Helicharter Corporation
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Norristown, PA 19401

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Stamford Works
Mossley
Lancs, OL5 9XA, England
☎04575-5460 □667278

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2185 South 3600 West
Salt Lake City, UT 84119

Heliconsult, Ltd.
Hogenellweg 3
D-2948 Grafschaft, West Germany
☎04423 6922 □253359

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Oakland, CA 94601
☎415-532-4494

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Fort Lauderdale, FL 33308

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116 Arthur Court
Boynton Beach, FL 33435
☎305-586-2824

Helicopter Air Transport Services, Inc.
P.O. Box 7330
Roanoke, VA 24019
☎703-992-2140

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☎05222-81777 □053686

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☎804-324-7241

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Mesa, AZ 85205
☎602-832-5993

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Decatur, AL 35603
☎205-350-0728

Helicopter Aviation Inc.
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Boca Raton, FL 33432

Helicopter Aviation Services
Box 3
Cudal, NSW, Australia
☎063-628612

Helicopter Aviation Service Co. S.A.
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Tehran, Irari
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Helicopter Company Inc.
Three Park Central, Suite 1045
Denver, CO 80202

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Huntingdon
Cambs, England
☎08014-427

Helicopter Flights, Inc.
8895 N. Military Trail
Suite D-302
Palm Beach Gardens, FL 33410
☎305-863-5282 □513476
President: W. Vernon Daley, III
Vice President: Erik de Bourbon
Chief Pilot: George Miller
Operations: Air taxi/charter (US part 135),
Corporate (US part 91, not for hire),
Electronic news gathering, Executive transport,
External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife), Photography,
Pilot training school
Helicopters: **1**-206L,**3**-206B,**1**-47G2,**1**-SL47

Helicopter Flite Services, Inc.
P.O. Box 8593
S. Charleston, WV 25303
☎304-344-3627

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Aviation Way, Municipal Airport
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☎0702-545821 □99275

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Salt Lake International Airport
2360 West
Salt Lake City, UT 84116
☎801-539-1144

Helicopter Minit-Men Inc.
P.O. Box 21125
Columbus, OH 43221-0125
☎614-486 3909
President: Charles W. Thomas
Vice President: Victor J. Speroni
Operations Manager: James L. Murphy
Operations: Agriculture,
Air taxi/charter (US part 135), Construction,
Executive transport, Exploration, External cargo,
Forestry, general,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified),
Sightseeing
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Operations Manager: Captain Mario Gomez
Chief Pilot: Captain Luis E. Silva
Operations: Air taxi/charter (US part 135),
Executive transport, External cargo,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified),
Sightseeing
Helicopters: **3**-B204,**3**-205A,**3**-206B **2**-206L

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☎040-6401081 □2174748

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☎514-455-5687 □05-821898

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Correo Central
Santiago, Chile
☎226-3373 □340302
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Operations Manager: Jose M. Infante
Chief Pilot: Sergio Neale
Maintenance Manager: Ricardo Boisier
Operations: Agriculture,
Air taxi/charter (US part 135), Construction,
Exploration, External cargo, Fire control/support,
Forestry, general, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Sightseeing, Skiing
Helicopters: **3**-500D,**2**-315B

Helicopteros de Guatemala
Avendia Hincapie 23-30, Zona 13
Aeropuerto la Aurora Lado Este
Guatemala City, Guatemala
☎318282 □5676
Chief Executive Officer: Rene Debroy
Operations Manager: Rolando Palacios
Chief Pilot: Ricardo Morataya
Safety Manager: Enrique Haessler
Operations: Agriculture,
Air taxi/charter (US part 135), EMS/air ambulance,
Executive transport, Exploration, External cargo,
Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified)
Helicopters: **5**-206B,**1**-350B,**1**-47G5,**1**-WASP

Helicopteros Marinos S.A.
Suipacha 207
Third Floor, Office 301
1008 Buenos Aires, Argentina
☎35-5295 □17918

Helicopteros Trancontinental
Calle 15 Norte No. 6n-34
Piso 14 Edificio Alcazar
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Nelson, New Zealand

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☎713-644-3644

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Airport 1201
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☎808-836-3315

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Louisville, KY 40205

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Miami, FL 33186
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☎313-239-8700

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☎415-632-9422 □172311
President: John J. McClelland
Vice President, Sales: Ross J. Fay
Secretary/Treasurer: Teri R. McClelland
Chief Pilot: Timothy A. Tatman
Operations: Air taxi/charter (US part 135), Construction, Electronic news gathering, Executive transport, External cargo, Government contracting, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing, Skiing, Traffic surveillance
Helicopters: 1-206L,1-500D,1-206B

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Provo, UT 84603
☎801-225-9560
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Vice President: Fred O. Huntington
Secretary/Treasurer: Carol K. Huntington
Operations: Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing
Helicopters: 1-206B

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Director: Roberto Lessa Bastos
Operations Manager: Nelson Rino Filho
Chief Pilot: Jose Augusto Duarte Morais
Maintenance Manager: Rinaldo Joao Mascherpa
Operations: External cargo, Offshore
Helicopters: 6-206B,6-350B,2-330J

Helikopter Air-Transport Ges.m.b.h.
Fuerstenweg 180 Flughafen
A-6020 Innsbruck, Austria
☎81777 □038264
President: Fritz Feitl
Operations Manager: Leopold Baumann
Chief Pilot: Klaus Linke
Chief Engineer: Hellmut Sztatecsny
Operations: Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, External cargo, Fire control/support, Forestry, general, Logging, Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing
Helicopters: 2-315B,2-355F,1-350B,1-B212, 1-B205,1-369D

Helikopter Service A/S
Dicks Vei 2
1324 Lysaker, Norway
☎02-11-2520 □76431
Director of Finance: Per O. Odegaard
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Corporate (US part 91, not for hire), Electronic news gathering, Executive transport, Exploration, External cargo, Logging, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing, Traffic surveillance
Helicopters: 2-47G4,2-206B,2-206L,6-B212, 3-214B,1-B222,1-F28A,14-S61N

Helikopterikeskus Oy
Ojapolku 3B
45150 Kouvala, 15, Finland
☎951-18326

Helikopteripalvelu
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00700 Helsinki, 70, Finland
☎90-372122
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Operations: Air taxi/charter (US part 135), Construction, Electronic news gathering, Executive transport, Exploration, External cargo, Forestry, general, Government contracting, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing
Helicopters: 4-206B,1-206L,1-360C,2-R22H, 1-300C

Helimares Limitada
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☎251-4185 □340436A
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Operations Manager: Patricio Matamala S.
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Offshore, Patrol (power, pipeline, buried cable), Photography, Sightseeing
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Managing Director: P. Piggott
Operations Manager: M.F. McLean
Chief Pilot: A. Klootwyk
Technical Manager: W.J. McMurdo
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Herding (stock & wildlife), Logging, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Pollution detection/monitoring, Sightseeing
Helicopters: 4-350B,1-300C,1-341G,3-UH12E, 1-355F,1-206B

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Sao Paulo, 01415, Brazil
☎0118534610
President: Philippe Rossi
Chief Pilot: Sergio Brock
Operations: Air taxi/charter (US part 135), Bank paper transportation, Construction, Executive transport, Exploration, External cargo, Fire control/support, Government contracting, Patrol (power, pipeline, buried cable), Photography, Sightseeing, Traffic surveillance
Helicopters: 1-206B

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ice House Street
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☎5-236407 □60344

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☎602-830-9410

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Santa Ana, CA 92707
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Box 70
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☎228181 □45425

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Belp 3123, Switzerland
☎031-81-3311 ☐32540
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Commercial Manager: Klaus W. Adam
Managing Directors: H.P. Staffelbach/K. Heinz
Operations: Agriculture, EMS/air ambulance, Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Law enforcement (for hire), Logging, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing, Skiing, Traffic surveillance
Helicopters: 1-B412,1-214B,1-204B,1-205A, 8-315B,4-206B,3-350B,2-SL47

Helitac Aviation, Inc.
1910 W. Sunset Boulevard
Suite 900
Los Angeles, CA 90026
☎213-483-6898
Operations Manager: John W. Bluff
General Manager: M.V. Dreesman
Operations: Air taxi/charter (US part 135), Bank paper transportation, Electronic news gathering, Executive transport, Photography
Helicopters: 1-206B,1-500C,1-206L

Helitac Limited
Box 1580
Kenora, ON, P9N 3X7, Canada
☎807-548-4321

Helitaxi Ltda.
Calle 64, 7-89
Bogata, Colombia
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El Dorado, Panama
☎011507697281 ☐3215

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6020 Emmenbruecke, Switzerland
☎041/661170 ☐72652

Helitron Corporation
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Amarillo, TX 79114
☎806-374-1922
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Vice President: Gene Vaughn Morrison
Chief Pilot: Calum D. Falconer
Director of Maintenance: Roy L. Hutto
Operations: Air taxi/charter (US part 135), Executive transport, Exploration, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Electronic news gathering
Helicopters: 1-500D

Helivalle Ltda.
Carrerra 11, No. 86-60
Oficina 202
Bogota De, Colombia
☎257-0635 ☐45167
Operations Manager: Carlos F. Espitia Lloreda
President: Miguel R. Espitia Espitia
Chief Pilot: Jaime Pinzon
Miquel J. Espitia Lloreda
Operations: Agriculture, Air carrier (US part 127), Air taxi/charter (US part 135), Bank paper transportation, Executive transport, Exploration, External cargo, Government contracting, Offshore, Photography
Helicopters: 4-206B,5-47G5

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Heliwest, Ltd.
300 Union Boulevard
Suite 600
Lakewood, CO 80228
☎303-989-9310

Heliwork, Ltd.
Thruxton Airport
Andover, Hants, SP11 8PN, England
☎WE02-64773422 ☐477006

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Postfach
4030 Basel Flughafen, Switzerland
☎061-572837

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New Bern, NC 28560

Helo-Wood Helicopter Inc.
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☎801-257-5262

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☎61-783070 ☐531067

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Eugene, OR 97402
☎503-746-1134

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Rochelle, IL 61068

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Director of Operations: Michael J. Knoll
Director of Maintenance: David A. Monroe
Operations: Air taxi/charter (US part 135),
Electronic news gathering, EMS/air ambulance,
Executive transport, Exploration,
Law enforcement (for hire),
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified), Sightseeing,
Traffic surveillance
Helicopters: **3**-47G5A,**1**-300C,**2**-206B

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Hi-Line Helicopters, Inc.
5838 Toddington Drive
Humble, TX 77346
☎713-852-2473

HILine Helicopters Inc.
47225 Sauk Prairie Road
Darrington, WA 98241
☎206-436-1302
President: Anthony B. Reece
Operations: Forestry, general,
Government contracting, External cargo,
Air taxi/charter (US part 135), Logging,
Fire control/support, Sightseeing,
EMS/air ambulance
Helicopters: **1**-500D

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New Orleans, LA 70161
☎504-586-5446

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Rosamond, CA 93560

High Country Helicopters
4801 N. 107th Street
Lafayette, LA 80026

High Range Aviation, Inc.
Box 238
Gooding Municipal Airport
Gooding, ID 83330
☎208-934-5934

Highland Helicopters Limited
4240 Agar Drive
Richmond, BC, V7B 1A3, Canada
☎604-273-6161

Highland Police Department
3124 Eder Street
Highland, IN 46322
☎219-838-3184

Hilco Aviation, Inc.
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Odessa, TX 79762
☎915-367-0026

Hillcrest Aircraft Co.
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Lewistown, ID 79762

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P.O. Box 3371
Tampa, FL 33601
☎813-241-6411

Hillsboro Helicopters Inc.
1040 N.E. 25th Street
Hillsboro, OR 97124
☎503-648-2831
President: Jerry V. Trimble
Secretary: June Trimble
Operations: Air taxi/charter (US part 135),
Electronic news gathering, Executive transport,
External cargo, Photography,
Pilot training school, Sightseeing,
Traffic surveillance
Helicopters: **3**-R22/,**1**-206B

Hindes Helicopters Inc
P.O. Box 488
Charlotte, TX 78011

Warner W. Hodgdon
1746 Spruce Street
Riverside, CA 92507
☎714-689-7043
Director of Flight Operations:
Charles K. Phillips, Jr.
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-341G

Hoffman Construction Co.
8019 N.E. Airport Way
Portland, OR 97218
☎503-221-8954
Operations Manager: Floyd M. Goodat
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B

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Rural Route 1
Pocahontas, IA 50574

Holt Helicopters Inc
P.O. Box 1669
Uvalde, TX 78801

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Cambridge Airport
Hobart, 7171, Tasmania, Australia
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Hopedale Police Department
Man & Railroad
Hopedale, IL 61747
☎309-349-5733

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Aurora, OR 97002

Horizon Helicopter, Inc.
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Tarpon Springs, FL 33589

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Operations: Air taxi/charter (US part 135),
Bank paper transportation, EMS/air ambulance,
Executive transport, Law enforcement (for hire),
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified), Sightseeing
Helicopters: **1**-B222,**2**-300C,**3**-206B,**1**-206L

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P.O. Box 160
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☎801-295-3402 □453029
President: Robert S. Hosking
Operations Manager: Larry M. Mendenhall
Chief Pilot: Craig Cowley
Secretary/Treasurer: Carma Annette Hosking
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Bank paper transportation,
Construction, Electronic news gathering,
Executive transport, Exploration, External cargo,
Fire control/support, Forestry, general,
Government contracting,
Herding (stock & wildlife),
Law enforcement (for hire),
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Repair station (FAA certified), Sightseeing,
Skiing
Helicopters: **9**-315B,**3**-316B,**8**-206B,**2**-206L

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Pearland, TX 77581
☎713-485-1777 □790461

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Houston, TX 77001
☎713-654-6828
President: J.V. Walzel
Vice President of Operations: R.A. Nevill
V.P. & Manager of Operations: Walker Sanders
Administrative Manager, Operations:
Barney L. Brasher
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B

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Helicopter Division
8402 Larson Street
Houston, TX 77061-4193
☎713-641-0281
Commander: Captain E.E. Milam
Administrative Officer:
Sergeant Richard M. Wilson
Operations: Law enforcement (not for hire)
Helicopters: **11**-300C,**5**-500C

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Building R-40
P.O. Box 7651
Van Nuys, CA 91409
☎213-908-5218 □182389
Manager/Aeronautical Division: C. A. McDaniel
Operations: Corporate (US part 91, not for hire),
Repair station (FAA certified)
Helicopters: **1**-206L,**1**-B222

Huisson Helicopter Service Ltd
Box 600, Airport Road
Timmins, ON, P4N 7E7, Canada
☎705-267-2993

Hummingbird Inc.
P.O. Box 26
Valley Center, CA 92028
☎714-749-9162

Huntington Beach Police Department
2000 N. Main Street
Huntington Beach, CA 92648
☎213-956-4889

Hurricane Helicopters Inc
3550 Matheson Avenue
Coconut Grove, FL 33133

Hutson's Ag Service Inc.
204 W. Railroad Avenue
Murray, KY 42071

Hy-plains Helicopters Inc.
408 W. Carson Street
Sublette, KS 67877

Hydro-Quebec
75 Dorchester West
Montreal, PQ, H2Z 1A4, Canada
☎514-289-2861 □05561047
Chef de Service: Robert LaPoint
Operations: Construction,
Government agency (not for hire),
Government contracting,
Patrol (power, pipeline, buried cable)
Helicopters: **6**-206B,**4**-318C

Hyr-Flyg AB
Box 76
B90 60 Ljungsbro, Sweden
☎011-138758

I.B.M. Corp.
Dutchess County Airport
Wappingers Falls, NY 12590
☎914-463-4400
Chief Pilot: Pete Griffith
Operations: Corporate (US part 91, not for hire),
Executive transport
Helicopters: **1**-B222

Idaho Helicopters, Inc.
2471 Commerce Avenue
Boise, ID 83705
☎208-344-4361
President: Raymond J. Franz
Chief Pilot: Vern Haney
Operations: Agriculture,
Air taxi/charter (US part 135),
Construction, EMS/air ambulance,
Executive transport, Exploration, External cargo,
Fire control/support, Forestry,
general, Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography, Sightseeing
Helicopters: **2**-206L,**3**-206B,**1**-315B,**1**-350D,
3-UH12E

Ideal Helicopter Service Inc.
Route 1
Sullivan, WI 53178

Ikaros Ltd.
8 Skaramaga Street
Athens, 103, Greece
☎01-8836811 □216774

Illinois Department of Transportation
Division of Aeronautics
Capital Airport
Springfield, IL 62706
☎217-753-4400
Director: Robert L. Donahue
Chief, Aviation Education & Safety:
Richard M. Ware
Chief Pilot: Duane Moore
Operations: EMS/air ambulance,
Corporate (US part 91, not for hire),
Executive transport,
Government agency (not for hire),
Law enforcement (not for hire)
Helicopters: **2**-206B,**1**-206L,**1**-S76A

Illinois State Police
401 Armory Building
Springfield, IL 62706
☎217-782-8002

Illinois State Toll Highway Authority
2001 W. 22nd Street
Oakbrook, IL 60521
☎312-654-2200
Chief Pilot: Robert M. Gaylord
Operations: Government agency (not for hire),
Law enforcement (not for hire), Photography,
Traffic surveillance
Helicopters: **1**-206B

Imperial County Sheriff
P.O. Box 1040
El Centro, CA 92243

Imperial Industries, Inc.
13939 N.W. 60 Avenue
Miami Lakes, FL 33014
☎305-557-2525

Imperial International, Inc.
Fleming Field
S. Saint Paul, MN 55075
☎612-455-0434

Industrial Air Charter Service Inc.
B424 Manatee Avenue West
Bradenton, FL 33505

Indian River Helicopter Service
Saint Lucie Airport
P.O. Box 940
Fort Pierce, FL 33450

Indiana State Police
100 N. Senate Avenue, State Office
Building G, Air Section
Indianapolis, IN 46204
☎317-633-4961

Indonesia Air Transport P.T.
P.O. Box 2485
Jakarta, Indonesia
☎418190 □46404
Managing Director: Indra Rukmana
General Manager: Peter Van Veen
Director: R. Soekardjono S.
Director: M. Tacuril
Chief Pilot: T. Robinson
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Exploration,
Executive transport, External cargo,
Government contracting, Offshore,
Patrol (power, pipeline, buried cable) Helicopters:
4-316B,**1**-318C,**2**-365C

Industrial Aviation Services
6736 Waconda Road, N.E.
Salem, OR 97305
☎503-393-7401

Industrial Helicopters, Inc.
P.O. Box 90210
Lafayette, LA 70509-0210
☎318-233-3356
President: J. Oran Richard
Operations Manager: Charles A. Phipps
Chief Pilot: Richard V. Wallace
Director of Maintenance: Michael K. Guidry
Operations: Agriculture,
Air taxi/charter (US part 135), Construction,
Executive transport, Exploration, External cargo,
Government contracting,
Herding (stock & wildlife), Offshore,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified),
Sightseeing
Helicopters: **7**-206B,**3**-206L,**2**-SL47G,**1**-350D

Infinity Aviation, Inc.
P.O. Box 757
Lincoln, CA 95648
☎916-645-8117 □467716
President: Richard L. Fleischer
Operations: Repair station (FAA certified),
Corporate (US part 91, not for hire)
Helicopters: **1**-206B

Inland Aero Service, Inc.
16 Union Street
Batavia, NY 14020
☎716-343-4471
President: F. Robert Bialkowski
Operations: Agriculture
Helicopters: **2**-B47G,**1**-TCAT

Inland Air Lines Inc.
Box 1424
N. Myrtle Beach, SC 29582

Inland Aviation Inc
P.O. Box 424
Ephrata, WA 98823

Inland Helicopters Ltd.
No. 15, 27456 - 32nd Avenue
Aldergrove, BC, V0X 1A0, Canada
☎604-534-1788

Inter Mountain Helicopter Inc.
P.O. Box 29
Arnold, CA 95223

Intercontinental Aviation Inc.
N.E.S. Building SP
Clearwater Airport
Clearwater, FL 33520
☎813-531-1441

International Air Support Inc.
P.O. Box 5218
San Antonio, TX 78201

International Air Transport Incorporated
2404 Merrill Field Drive
Anchorage, AK 99501
☎907-272-5425 □26485
President: J. Haugen
Operations: Agriculture,
Air taxi/charter (US part 135), Exploration,
External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife), Offshore,
Patrol (power, pipeline, buried cable),
Repair station (FAA certified), Skiing
Helicopters: **4**-341G,**2**-500C

International Jet Aviation Service
Arapahoe Airort
12830 E. Control Tower Road
Englewood, CO 80112
☎303-773-1414

International Union of Operating Engineers
Local No. 138
P.O. Box 206, Gazza Building
Farmingdale, NY 11735
☎516-694-2480
Vice President: Gerald J. Quill
Operations: EMS/air ambulance,
Corporate (US part 91, not for hire),
Construction, Offshore
Helicopters: **1**-206B

Interprovincial Helicopters
Box 2205
St. John, NB, E2L 3V1, Canada
☎506-693-8472

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941 S.W. 22nd
Oklahoma City, OK 73109
☎405-632-5683

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Telephone : (03)561-8305, Telex : J27117 WINGKOKU

Irish Helicopters, Ltd.
Westpoint Hangar
Dublin Airport
Dublin, Ireland
☎376473 □24725
Director/General Manager:
Captain Frank Laycock
Operations Manager: Allan V. Mutton
Engineering Manager: Michael Fitzgerald
Commercial Manager: Frederick W. Balcombe
Operations: Air carrier (US part 127),
Air taxi/charter (US part 135), Construction,
Executive transport, External cargo, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Private owners, Sightseeing
Helicopters: **1**-BO105,**2**-206B,**2**-B212,**2**-S61N

Irish Helicopters, Ltd.
Cork Airport
Cork, Ireland
☎961509 □24916

Iroquois Helicopters, Ltd.
172 Lincoln Heights Road
Ottawa, ON, K2B 8A7, Canada
☎613-839-5706

Island Aviation Inc.
2066 Carriage Lane
Port Clinton, OH 43452

Island Express, Inc.
700 Queensway Drive
Long Beach, CA 90801
☎213-597-5111
President: J.J. Feinberg
Director of Operations: John E. Moore
Operations: Air taxi/charter (US part 135),
Executive transport, Offshore, Photography,
Sightseeing
Helicopters: **1**-206L,**1**-206B

Island Helicopter Corporation
North Avenue
Garden City, NY 11530
☎516-294-0355 □146375
President: Fredric Fine
Vice President, Sales: Anthony Amanzio
Director of Flight Operations: Robert Chaves
Operations Manager: Kathy Murphy
Operations: Agriculture,
Air taxi/charter (US part 135),
Bank paper transportation,
Commuter air carrier (scheduled),
Electronic news gathering, EMS/air ambulance,
Executive transport, Government contracting,
Photography, Pilot training school,
Repair station (FAA certified), Sightseeing,
Traffic surveillance
Helicopters: **7**-206L,**4**-206B,**4**-355F,**2**-350D,
7-360C,**1**-365N,**2**-S58ET

Island Helicopter Inc.
306 S. State Street
Dover, DE 19901

Island Helicopters Corp.
5580 Estero Boulevard
Fort Myers, FL 33931

Island Helicopters Kauai
Box 3101
Lihue, Kauai, HI 96766
☎808-245-8588

Islandair Helicopters
Brisband Airport
Brisbane, Queensland, Australia
☎7-2685370 □41907

J C Helicopter Inc.
P.O. Box 368
Faulkton, SD 57438

J M H Associates, Inc.
Route 4, Box 4484
Pearland, TX 77581
☎713-485-2743

J. Brown Helicopters
217 Briaridge Drive
Turtle Creek, PA 15145
☎412-824-7744

J.S. & Son Pty. Ltd.
Budgewoi, NSW, Australia
☎043-245836

J.C. Helicopters, Inc.
1482 Heather Way
Kissimmee, FL 32743
☎305-847-7222

JSJ Aviation Inc.
1564 N. Alma School Road
Mesa, AZ 85201
☎602-835-1980

JTL Helikopterflyg AB
Villa Fortuna
23200 Arlov, Sweden
☎094640973040

Jack Ashworth Ltd.
Box 251
Matamata, New Zealand
☎MA-6441

Jack Gillette Flying Service
P.O. Box 67
Mesa, WA 99343

Jack Harter Helicopters
P.O. Box 306
Lihue, HI 96766
☎808-245-3774

Jackson Police Department
P.O. Box 17
Jackson, MS 39205
☎601-960-1292

Jaindl Aviation Inc.
Road 1, Box 13
Crefield, PA 18069

James Aviation Limited
Private Bag
Hamilton, New Zealand
☎436136 □NZ21825

Jamtlands Aero AB
Box 453
83126 Ostersund, Sweden
☎063-108370

Japan Helicopter KK
10-3 Oshiage, 1-chome
Sumida-ku
Tokyo, 131, Japan
☎03-6212380

Jay Harmon Aerial Spraying
Box 515
Lake City, AR 72202
☎501-375-3275

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Victoria, 3194, Australia
☎587-1833 □AA33019
Managing Director: Lindsay Rose
General Manager: Cliff Dohle
Chief Pilot: Peter Clemence
Operations: Air taxi/charter (US part 135),
Construction, Electronic news gathering,
Exploration, External cargo, Fire control/support,
Forestry, general,
Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school
Helicopters: **7**-206B,**2**-350B

Jedna Helicopter Co. Inc.
6301 Glade K 205
Woodland Hills, CA 91364

Jeffco Aviation Ltd.
Box 180, Main Street
Swan Hills, AB, T0G 2C0, Canada
☎403-333-4381

Jefferson County Police Department
7203 Outer Loop
Louisville, KY 40228
☎502-239-6022

Jefferson County Sheriff
11990 Airport Court
Hangar A-5
Broomfield, CO 80020
☎303-469-6921

Jefferson County Sheriff
716 N. 21st Street
Birmingham, AL 35203
☎205-325-5706

Jeffersonville, Indiana Police Deparment
501 E. Court Avenue
Jeffersonville, IN 47130

Jensen & Grove, Inc.
P.O. Box 508
Bowman Field
Hoquiam, WA 98550
☎206-533-5151

Jet 66
7733 Airport Boulevard
Houston, TX 77061

Jet East, Inc.
7363 Cedar Springs Road
Dallas Love Field
Dallas, TX 75235
☎214-350-8523

Jet Helicopters Inc.
P.O. Box 354
Ingleside, TX 78362

Jet Services, Inc.
Detroit Metropolitan Airport
Building 257
Detroit, MI 48242
☎313-942-1760
Chief Pilot: Bijan Moazami
Operations: Air taxi/charter (US part 135),
Photography, Pilot training school,
Electronic news gathering
Helicopters: **1**-206L,**1**-500D,**2**-206B

Jet South, Inc.
P.O. Box 6336
Miracle Mile Station
Fort Myers, FL 33901
☎813-936-7880

Jetair Inc.
Route 100
Waitfield, VT 05673

Jetcopters, Inc.
16303 Waterman Drive
Van Nuys, CA 91406
☎818-902-0800
Operations Manager: James S. Deeth
President: Peter J. McKernan
Operations: Air taxi/charter (US part 135), Bank paper transportation, Construction, Executive transport, Exploration, Government contracting, Law enforcement (for hire), Photography, Pilot training school, Repair station (FAA certified), Sightseeing
Helicopters: **3**-206B,**3**-206L,**1**-B222,**2**-500D, **3**-300C

JetRanger Helicopter Service
12725 Inkster Road
Livonia, MI 48150

Jobe Helicoter
15320 N.E. 92nd Avenue
Redmond, WA 98052
☎206-882-1177

John Kamburoff Aerial Spray, Incorporated
P.O. Box 2095
Poston, AZ 85371
☎602-662-4619
President: John Kamburoff
Operations: Agriculture
Helicopters: **1**-47G2

Johns Manville Corporation
Stapleton International Airport
Hangar 5
Denver, CO 80207
☎303-321-1621

S.C. Johnson & Son, Inc.
Aviation Section
2925 Golf Avenue
Racine, WI 53404
☎414-631-2707
Aviation Manager: Elmo N. Halverson
Helicopter Captain: Robert Root
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-S76A

Jungle Aviation & Radio Service Inc.
P.O. Box 248
Waxhaw, NC 28173

K & W Aero Inc.
Highway 36, P.O. Box 112
Port Monmouth, NJ 07758

K Air
Box 398, Latrobe Airport
Latrobe, PA 15650
☎412-539-4110

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K.L.M. Helikopters B.V.
P.O. Box 7700
Schipol East, 1117 ZL, Netherlands
☎020-491339 □14233
Managing Director: Frans Bokma
Executive Vice President: Maarten M.D. Van Eeghen
Chief Pilot: Hans Zeedyk
Operations: Air taxi/charter (US part 135), Electronic news gathering, Exploration, External cargo, Offshore, Repair station (FAA certified), Sightseeing
Helicopters: **7**-S61N,**3**-S76A

KCRA TV
310 10th Street
Sacramento, CA 95814
☎916-444-7300
President: Jon Kelly
Operations Manager: Don Saraceno
Pilot/Reporter: Dann Shively
Operations: Corporate (US part 91, not for hire), Electronic news gathering, Photography, Traffic surveillance
Helicopters: **1**-206B

KMPC Airwatch
5858 Sunset Boulevard
Los Angeles, CA 90028
☎213-460-5601

KPNX Television, Inc.
1101 N. Central Avenue
Phoenix, AZ 85001
☎602-257-1212
Chief Pilot: Jerry Foster
Operations: Traffic surveillance, Electronic news gathering
Helicopters: **1**-500D

KSL Television
TV News
145 Social Hall Avenue
Salt Lake City, UT 84111
☎801-237-2690
Chief Pilot: James B. Dirker
Operations: Corporate (US part 91, not for hire), Photography, Traffic surveillance, Electronic news gathering
Helicopters: **1**-206B

KTSP TV, Inc.
Channel 10
511 W. Adams Street
Phoenix, AZ 85003
☎602-257-1234
President: Jack Sander
News Director: Bill Miller
Pilot/Reporter: Len Clements
Operations: Electronic news gathering
Helicopters: **1**-206B

Kagoshima Kokusai Koku Co. Ltd
Iwasaki Bldg., 5, Yamashita-cho
9-chome, Kagoshima-shi
Kagoshima, 892, Japan
☎0992-230121

Kansas City Police Department
4601 Eastern Avenue
Kansas City, MO 64129
☎816-861-1600

Kansas Highway Patrol
2 Townsite Plaza, Suite 130
200 E. Sixth Street
Topeka, KS 66603
☎903-296-3102

Keith Wilson Helicopters Inc.
2787 N. Second Street
A.M.F. Box 30247
Memphis, TN 38127
☎901-358-2674

Kenai Air Alaska, Inc.
155 Granite Point Court
Kenai, AK 99611-3921
☎907-283-7561 □26507
President: Craig R. Lofstedt
Operations Manager: Vernon L. Lofstedt, Jr.
Chief Pilot: Timothy D. Miller
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing, Skiing
Helicopters: **2**-B212,**2**-205A,**1**-206L,**8**-206B, **1**-500E

Kenai Air Hawaii
550 Pajea Street
Suite 219
Honolulu, HI 96819
☎808-836-2071

Kennedy Air Service
Box 485
Valdez, AK 99686
☎907-835-4304

Kenting Helicopters
64 McTavish Place, N.E.
Calgary, AB, T2E 7H1, Canada
☎403-277-8526 □03821732

Kentucky Helicopters, Inc.
P.O. Box 24408
Lexington, KY 40524
☎606-253-1908

Kern County Sheriff
1415 Truxtun Avenue
Bakersfield, CA 93301
☎505-327-3392

Ketchikan Air Service Inc.
Box 6900
Ketchikan, AK 99901

Key Airlines
Salt Lake City International Airport
P.O. Box AMF 22065
Salt Lake City, UT 84122

Keystone Helicopter Corp.
1420 Phoenixville Pike
West Chester, PA 19380
☎215-644-4430 □510-668-5061
President: Peter Wright, Sr.
General Manager: Michael S. D'Aries
V.P./Treasurer: Peter Wright, Jr.
Operations Manager: Hal Spatz
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Bank paper transportation, Corporate (US part 91, not for hire), Executive transport, Offshore, Patrol(power, pipeline, buried cable), Repair station (FAA certified), Traffic surveillance, photography
Helicopters: **3**-206B,**1**-206L,**1**-B105,**1**-300C, **1**-B117,**5**-S76A

Kidd Creek Mines, Ltd.
Aviation Department
P.O. Box 580
Timmins, ON, P4N 7G1, Canada
☎705-264-1542
President: Donald C. Lowe
Manager/Aviation Department: S. Wayne Kidd
Operations: Corporate (US part 91, not for hire), Exploration, External cargo, Photography
Helicopters: **2**-206B

Kilroe Helicopters Manchester
Hangar No. 520, Southside
Manchester International Airport
Wilmslow, Cheshire, England
☎061-436-2055 □665525

Kimberley Helicopters
Box 491
Kununurra
WA, Australia
☎81255 □99873

Kirby N.Y. Realty Company
Star Jet Corp., Hangar C
Suffolk County Airport
W. Hampton Beach, NY 11978
☎516-288-4053
Chief of Helicopter Operations: Elias D. Ullmann
Chief of Maintenance: Mike J. Waters
Operations; Private owners
Helicopters: 1-206L

Kittner Aircraft & Repair
Route 1
Box 39P
Ellenville, NY 12428
☎914-647-5296

Kitzmiller Enterprises, Inc.
3 Root Street
Mattawan, MI 49071
☎616-668-2507

Kiwi Kopters Air Service
Route 1, Box 245
Coalinga, CA 93210
☎209-935-3586

Kjerstad Helicopters
158 Scott Lane
P.O. Box 129
Jackson, WY 83001
☎307-733-2435
President: Floyd A. Kjerstad
Operations Manager: Roger R. Kjerstad
Chief Pilot: Roy R. Jackson
Maintenance Director: John D. Stevenson
Operations: Air taxi/charter (US part 135), Exploration, External cargo, Fire control/support, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: 3-206B, 1-316B

Klang & Ohlund Hkp-Flyg, HB
c/o Rolf Klang
Kungsgatan 18
111 35 Stockholm, Sweden
☎0175-71555

Knight Aviation Services Inc.
7000 W. Camino Real
Boca Raton, FL 33433

Knoell Bros. Construction Inc.
P.O. Box 21287
2401 S. 24th Street
Phoenix, AZ 85036
☎602-275-7429
Chairman of the Board: Frank E. Knoell
President: Thomas E. Knoell
Chief Pilot: Paul E. Uster
Chief of Aviation Maintenance: Larry Thomas
Operations: Construction, Corporate (US part 91, not for hire), Executive transport
Helicopters: 1-B222

Knutson Helicopters
P.O. Box 333
Tioga, ND 58852

Kodiak Western Alaska Airlines
2015 Merrill Field Drive
Anchorage, AK 99501
☎907-276-4404

Koester Aviation Inc.
14649 Highway 41 North
Evansville, IN 47711

Koller Corporation
P.O. Box 10
Weston, ID 83286

Kool CBS Radio & Television
511 W. Adams Avenue
Phoenix, AZ 85003

Kootenai Pass Helicopters, Inc
Box AV
Libby, MT 59923
☎406-293-9796

Kopter Kraft
1780F Joe Crosson Drive
El Cajon, CA 92020
☎714-562-4380

Korean Air Lines
118 2-GA Namdaemun-Ro
Chung-Ku
Seoul, 100, Korea
☎77166 □27526

Kovisco
P.O. Box 436
Harrismith, 9880, South Africa
□623186

Kruger Helicopter Service
Box 235
Lakeside, MT 59922
☎406-857-3893

Kumpulan Guthrie Sendirian Berhad
Wisma Guthrie
P.O. Box 12516
Kuala Lumpur, Malaysia
☎941644 □MA 30346
Operations Manager: H.M. McMichael
Chief Pilot: Captain Nasir Ma Lee
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: 1-206L

L & M Helicopters Inc.
109 Woodland
Box 1097
Enterprise, AL 36330

L & S Helicopters Inc.
P.O. Box 689
Eunice, LA 70535

L.P.W. Helicopter Service Inc.
6771 Haggerty Road
Belleville, MI 48111

LTD-Helicopters/Heli-Air
Flughafen Baden-Oos
D-7570
Baden Baden, West Germany
☎0722164001 □0781200

Lacy Helicopters
P.O. Box 5
Kamuela, HI 96743

Lake Air Corporation
Municipal Airport
P.O. Box 2028
Michigan City, IN 46360

Lake County Sheriff
1705 E. Main Street
Griffith, IN 46319
☎219-924-1705

Lake Wales Air Service Inc.
P.O. Box 295
Lake Wales, FL 33853

Lakehead Helicopter Service
112-77A Kingsway
Thunder Bay, ON, P7E 2B3, Canada
☎807-622-8867

Lakeland Helicopters Ltd.
Box 512
Temagami, ON, P0H 2H0, Canada
☎705-569-3600

Lakeland Helicopters Ltd.
P.O. Box 370
Taupo, New Zealand
☎074-84532

Lakeline Helicopters, Inc.
13505 Pioneer Trail
Eden Prairie, MN 55344
☎612-941-3845

Lancaster County Sheriff
555 S. 10th Avenue
Lincoln, NB 68508
☎402-473-6202

Lance Aviation
Aerodrome de Lognes
77200 Torcy, France
☎6-0056520 □660369

Landells Aviation
69873 Silver Moon Trail
Desert Hot Springs, CA 92240
☎619-329-6338

Landry Aviation
5708 Cahuenga Boulevard
N. Hollywood, CA 91601
☎213-766-5133

Lanes Valley Forge Aviation Inc.
Perkiomen Valley Airport
Collegeville, PA 19426

Lange Helicopters Inc.
3817 Honeysuckle
San Angelo, TX 76901

Lapham Aviation, Inc.
Route 3
P.O. Box 51-A
Center Point, TX 78010
☎512-634-2618
President: Leonard H. Lapham
Operations: Herding (stock & wildlife), Photography, Pilot training school, Sightseeing
Helicopters: 1-R22H

VITAL AND VERSATILE . . .
Support heliports in your community.
Helicopter Association International

Lapplandsflyg/Lapair AB
Umea Airport
Umea, 90254, Sweden
☎90-129050 □54029
President: Bertil Johansson
Operations Manager: Gunnar Forsberg
Maintenance Manager: Tage Stoltz
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Executive transport, External cargo, Herding (stock & wildlife), Mechanic training school, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Sightseeing, Skiing
Helicopters: **1**-47G2,**1**-206L,**2**-206B,**1**-500D, **1**-300C

Laribee Helicopter Service
13 Washington Street
Camden, NY 13316
☎315-245-2082

Larimar County
P.O. Box 1190
Fort Collins, CO 80522
☎303-221-7143

Laroy Flyg AB
Box 25
230 32 Malmo-Sturup, Sweden
☎040-500560

Larry's Flying Service Inc.
P.O. Box 873
Denton, MT 59430

Larsen Helicopters
P.O. Box 3161
Hayward, CA 94540
☎415-791-6889

Las Vegas Metro Police Department
Aero Unit
400 E. Steward
Las Vegas, NV 89101
☎702-386-3552

Lassen Air
P.O. Box 179
Chico, CA 95926

Laverendrye Helicopters Inc.
400 Boulevard Cite des Jeunes
Saint Clet, PQ, J0P 1S0, Canada
☎514-455-5687 □05-821898

Lawn Hill Pty. Ltd.
Box 1819, Lawn Hill Station
Mount Isa
Queensland, 4825, Australia

Leach Aero Services Pty. Ltd.
101 Lackman Terrace
Alice Springs, NT, 5750, Australia
☎089-523059 □81359

Lebanese Helicoper Co. SAL
Box 13-5312
Beirut International Airrport
6400 Beirut, Lebanon
☎832557 □22864

Lee County Mosquito Control District
P.O. Box 06005
Fort Myers, FL 33906
☎813-694-2174

Lee County Sheriff
2055 Anderson Avenue
Fort Myers, FL 33901
☎813-332-3456

Lehigh Valley Helicopter, Inc.
P.O. Box 509
Allentown, PA 18105
☎215-398-2988
Operatons Manager: John R. Forsht
Operations: Executive transport, Photography
Helicopters: **1**-F28A

Lenhardt Airpark Inc.
Route 1, Box 104
Hubbard, OR 97032

Lentini Aviation, Inc.
1661 N. Airport Road
Pontiac, MI 48055
☎313-666-3470

Lentotoimi, Oster & Heinonen
33980 Pirkkala 8, Finland
☎931-697130

Leon County Sheriff
P.O. Box 727
Tallahassee, FL 32302
☎904-222-4740

Les Aire Inc.
P.O. Box 847
Alva, OK 73717

Les Helicopteres Beloeil, Inc.
2025 de l'Aeroport
Saint Mathieu de Beloeil, PQ, J3G 4S5, Canada
☎514-464-4224 □052-5379

Les Helicopteres Trans-Quebec
1215 Montee Pilon
Les Cedres, PQ, J0P 1L0, Canada
☎514-637-5524

Lewis & Company Helicopters
2723 Center Highway
Box 1878
Nacogdoches, TX 75961

Liberty Helicopter Enterprises Inc.
63250 Pine Road
N. Liberty, IN 46554

Lider Taxi Aereo S/A
Avenida Santa Rosa No. 123
Pampulha
Belo Horizonte, MG 30, Brazil
☎031-441-9088 □031 1275
President: Jose A. Assumpcao
Director: Walter A. Barro
Operations Manager: Gilberto F. Miranda
Chief Pilot: Wanderley S. Gandra
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Construction, Executive transport, Exploration, External cargo, Government contracting, Offshore, Patrol (power, pipeline, buried cable), Photography, Sightseeing
Helicopters: **4**-205A,**12**-206B,**4**-S58T,**7**-B212, **1**-214S

Liftair International Ltd.
1060 McTavish Road, N.E.
Calgary International Airport
Hangar 25
Calgary, AB, T2E 7G6, Canada
☎403-230-1091

Lincoln Aviation Institute Inc.
Municipal Airport
Lincoln, NE 68521

Litton Business Systems Inc.
601 River Street
Fitchburg, MA 01420

Livingston Copters
P.O. Box 1468
Juneau, AK 99802

Lloyd Helicopters Pty. Ltd.
Adelaide Airport
Adelaide, SA, 5000, Australia
☎08-3526944 □89619

Lodi Vintage Air Inc.
23160 N. Davis Road
Lodi, CA 95204

London Home Improvement
8105 Route 14
Harvard, IL 60033

Lone Star Aero
11782 Eastex Freeway
Houston, TX 77039
☎713-442-3500

Lone Star Helicopters, Inc.
Love Field
P.O. Box 25
Dallas, TX 75235
☎214-352-1033 □753768
Vice President/General Manager: Douglas Evans
Chief Pilot: Dee Neal
Director of Maintenance: Bill Keorner
Operations: Air taxi/charter (US part 135), Commuter air carrier (scheduled), Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Government contracting, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: **5**-206B,**3**-206L

Long Beach Helicopters Ltd.
2218 McCulloch Road
Nanaimo, BC, V9S 4M8, Canada
☎604-758-1787

Long Beach Police Department
400 W. Broadway Avenue
Long Beach, CA 90802
☎213-590-7236

Los Angeles County Fire Department Air Operations
12605 Osborne Street
Pacoima, CA 91331
☎213-899-2556
Air Officer: James M. Sanchez
Chief of Maintenance: Douglas Mathews
Operations: EMS/air ambulance, Fire control/support, Government agency (not for hire)
Helicopters: **1**-206B,**1**-204B,**3**-205A

Louisiana Helicopters Inc.
5564 Avery Drive
Marrero, LA 70072

Louisiana Helicopters, Inc.
1425 N. Atlanta Street
Metairie, LA 70003
☎504-362-4500
President: Jerry Leonard
Operations: Air taxi/charter (US part 135), Executive transport, Offshore, Photography, Sightseeing
Helicopters: **1**-206B

Louisiana State Police
P.O. Box 66614
Baton Rouge, LA 70896
☎504-925-6433

Louisiana-Pacific Corp.
1840 Airport Road
Red Bluff, CA 96080
☎916-527-1371
President: Harry A. Merlo
Operations Manager: Montel Work
Chief Pilot/Helicopter Operations:
Wayne N. Hughes
Chief Pilot/Fixed Wing: David Dix
Operations: Corporate (US part 91, not for hire),
Executive transport, Forestry, general
Helicopters: **4**-206B

Low Level Dusting Co. Inc.
P.O. Box 338
LaSalle, CO 80645

Lowndes Ginning Co. Inc.
P.O. Box 1851
Valdosta, GA 31601

Luebell Enterprises, Inc.
Dba Luebell Helicopters
Old Terminal, Walker Field
Grand Junction, CO 81501
☎303-242-7775
Chief Pilot: Gary W. Luebs
Operations: Agriculture,
Air taxi/charter (US part 135),
EMS/air ambulance, Construction,
Executive transport, Exploration, External cargo,
Fire control/support, Forestry, general,
Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Sightseeing, Skiing
Helicopters: **1**-350B,**1**-315B,**3**-206B,**1**-500D

Luftspiegel, Ltd.
Suite 49G
332 W. 57th Street
New York, NY 10017
☎212-682-5959
President: Neal B. Busch
Operations: Traffic surveillance
Helicopters: **1**-B47G

Lufttransport A/S
P.O. Box 2008
N-9014 Hapet
Tromsoe, Norway
☎083-70022 □75885
Managing Director: Aage Krog
Operations Manager: Tore Skaar
Technical Manager: Svein Bertheussen
Deputy General Manager: Lars Thorsrud
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, External cargo,
Government contracting, Offshore,
Helicopters: **5**-332L,**2**-B212,**1**-B214,**2**-205A,
2-206B,**3**-350B

Lufttransport A/S
Box 265
9210 Andselv, Norway
☎089-33022 □64408

Lund Flying Service Inc.
409 E. Fourth Street
Ritzville, WA 99169

M & W Flying Service Inc.
1893 S. Newcomb Street
Porterville, CA 93257
☎209-784-8124

M H Production Company
P.O. Box 557
Sabine Pass, TX 77655
☎409-971-2593

M K Spray Copters
Route 1, Box 36A
Hastings, FL 32045
☎904-692-2500

M.F. Air Services Ltd.
5333-216 Street
Langley, BC, V3A 4R1, Canada
☎604-533-3461 □365694
President: Philip C. James
Sales: Larry C. Skidmore
Operations: Fire control/support, Exploration,
Logging, Government contracting
Helicopters: **1**-S55A,**6**-S55T

MAS-Mondial Air System
Seroport de Nimes-Garons
30800 Saint Gilles, France
☎66-201255

MHS-Helicopter-Flugservice
Turkenstrasse 89
8000 Munich 40, West Germany
☎089-398888

MacKinnon Helicopter, Inc.
Rural Route 4
Alexandria, ON, Canada
☎613-525-1775

Mack Trucks, Inc.
c/o Queen City Aviation
1730 Vultee Street
Allentown, PA 18103
☎215-439-3761 □847429
Chairman: A.W. Pelletier
President: J.B. Curcio
Chief Pilot: Decker Goetz
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-B212

Macmillan Bloedel Ltd.
Flight Operations
5220 Airport Road
Richmond, BC, V7B 1B4, Canada
☎604-278-4807
Chief Helicopter Pilot: Doug Hare
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206L

Madison Aviation
2301 N. Greenfield Road
Mesa, AZ 85205
☎602-832-1420
President: Bruce M. Madison
Operations: Air taxi/charter (US part 135),
Repair station (FAA certified), Construction,
Executive transport, Exploration, External cargo,
Fire control/support, Forestry, general,
Patrol (power, pipeline, buried cable),
Photography
Helicopters: **3**-206B,**1**-316B,**1**-500C

Madison Parrish Sheriff
111 Burnside Drive
Tallulah, LA 71282
☎318-574-1900

Mados
Jalan Pasir Pelangi
Johore Bahru, W. Malaysia

Maersk Air
Copenhagen Airport
2791 Dragor, Denmark
☎01-534444 □31126

Maier Aviation GmbH. Helicopter Service
Building 105A, Frankfurt Airport
6000 Frankfurt 75, West Germany
☎0611-6904497 □414550

Maine Helicopters, Inc.
4 Airport Road
Augusta, ME 04330
☎207-622-4643

Malaysia Air Charter
International Airport
Subang
Kuala Lumpur, West Malaysia

Malaysian Helicopter Services Berhad
Syed Kecik Building,
Jalan Kapas Banesar
Kuala Lumpur, Malaysia
☎942044 □31809
President: Wan Malik Ibrahim
Flight Operations Manager: Peter Wong
Engineering Manager: Moghni Rahmat
Operations: Offshore
Helicopters: **5**-S61N,**3**-S76A,**4**-330J

Management Aviation Ltd.
Bourn Airfield
Cambridge, CB3 7TQ, England
☎0954-210765 □817237

Maneckji Aviation Private Ltd.
Mehta House
Apollo Street
Bombay, 400 023, India
☎254898 □4268

Manila Electric Company
Ortigas Avenue
Pasig, Philippines

Manville Corporation
Stapleton International Airport
Hangar T
Denver, CO 80207
☎303-321-1621

Maple Leaf Helicopters Ltd.
P.O. Box 33, Site 8
Rural Route 1
Fort Saint John Airport
Fort Saint John, BC, V1J 4M6, Canada
☎604-787-1575

Mar Aviation Inc.
1050 N. Eastern Avenue
Brawley, CA 92227

Marathon Flight School Inc.
3010 W. Patrick Street
Kissimmee, FL 32741

March Helicopters Ltd.
Sywell Aerodrome
Sywell, Northants, NN7 OBN, England
☎0604-493137

Maricopa County Sheriff
120 S. First Avenue
Phoenix, AZ 85003
☎602-256-1000

Marine Helicopters Ltd.
Ardmore Aerodrome
Papakura
Auckland, New Zealand
☎2999180 □21267

Maritime Helicopters, Inc.
Box 357
Homer Airport
Homer, AK 99603
☎907-235-7771

Marlborough Helicopters, Ltd.
P.O. Box 731 (Omaka Aerodrome)
Blenheim, New Zealand
☎8684

Marom Air Services Ltd.
Gibor House-Manshjag
6 Koifman Street
Tel Aviv, Isreal
□35771

Marshall County Police Department
P.O. Box 176
Plymouth, IN 46563
☎209-936-3187

Marshall County Sheriff's Department
Alderson Street
Holly Springs, MS 38635

Martin Aviation, Inc.
19331 Airport Way South
John Wayne Airport
Santa Ana, CA 92707
☎714-546-4300

Martin Leasing Service
Route 1, Box 65
Riviera, TX 78370
☎512-297-5731

Marty Corporation
P.O. Box 310
Coeburn, VA 24230

Maryland State Police
3021 Strawberry Point Road
Baltimore, MD 21220
☎301-391-0700

Massachusetts Mutual Life Insurance Co.
1295 State Street
Springfield, MA 01101

Massachusetts State Police
1010 Commonwealth Avenue
Boston, MA 02115
☎617-769-4777

Maul Helicopters Inc.
P.O. Box 1002
Kihei, HI 96753
☎808-879-2622
President: Dale Vercelli
General Manager: Anthony R. D'Antonio
Operations: Air taxi/charter (US part 135), External cargo, Government contracting, Law enforcement (for hire), Photography, Sightseeing
Helicopters: **2**-500D

Maverick Helicopters Inc.
P.O. Box 32
Seville, FL 32090

Max Power, Inc.
2206 Palomar Airport Road
Suite A3
Carlsbad, CA 92088
☎619-438-0416

Mayne-Bristow Helicopters Pty. Ltd.
Jandakot Airport
Jandakot, WA, 6164, Australia
☎09-3327188 □92781

Mayo Aviation
Stapleton International Airport
Box 38444
Denver, CO 80238
☎303-398-5445

McAlpine Helicopters Ltd.
Swallowfield Way
Hayes
Middlesex, UB3 1SP, England
☎01-848-3522 □933286

McCollum Aviation Inc.
Route 5
Danville, IL 61832

McIver Aviation
Hoxton Park
NSW, 2171, Australia
☎2-6074455

McMahon Helicopter Services
19856 Scenic Harbour Drive
Northville, MI 48167
☎313-348-8750
President: Brian McMahon
Operations: Air taxi/charter (US part 135), Bank paper transportation, Construction, Photography, Sightseeing
Helicopters: **2**-206B

McQuaid Helicopters
2304 S.E. Ninth Street
Mineral Wells, TX 76067
☎317-325-5971

Meadow Lark Aviation
7000 Merrill Vaenue
Hangar 4
Chino, CA 91710
☎714-597-1718

Medflight Aviation
355 N. Orchard Street
Boise, ID 83706
☎208-377-9114

Meekins, Inc.
3500 Pembroke Road
Hollywood, FL 33022
☎305-983-5100

Memphis Helicopters, Inc.
5818 Ferguson
P.O. Box 34794
Bartlett, TN 38134
☎901-377-1866

Memphis Metro Police Department
Aviation Unit
999 Dove Crest Drive
Memphis, TN 38134
☎901-382-1450

Mendel Flying Service, Inc.
P.O. Box EE
Malta, MT 59538
☎406-654-1021
President: Eugene L. Mendel
Operations: Agriculture, Air taxi/charter (US part 135), Exploration, External cargo, Fire control/support, Forestry, general, Patrol (power, pipeline, buried cable)
Helicopters: **1**-206B,**1**-S55T

Menzi Agricultural Corporation
6782 Ayala Avenue
Makati, Philippines

Meravo Luftreederei
Fluggesellschaft MbH
Flugplatz
Oedheim, West Germany
☎07136-5585 □0728730

Merifield Helicopters Pty. Ltd.
P.O. Box 126
Broadway, Nedlands
Perth, WA, Australia
☎09-3867880 □93205

Mesa County Sheriff
655 Ute Avenue
Grand Junction, CO 81501
☎303-242-3322

Metro Copters Incorporated
10740 Pine Bluff Road
Whitmore Lake, MI 48189
☎313-231-3861
President: Patrick J. Monks
Secretary: Dianne Monks
Operations: Corporate (US part 91, not for hire), Photography, Private owners, Traffic surveillance, Electronic news gathering
Helicopters: **1**-500D,**1**-280C

Metro Helicopters
Box 11099
Oak Grove Airport
Fort Worth, TX 76110
☎817-293-2782

Metro Helicopters Inc.
13431 Cullen Boulevard
Houston, TX 77047

Metro Helicopters Ltd.
(Inland Industries Ltd.)
Suite 101, 2160 Springer Avenue
Burnaby, BC, V5B 3M8, Canada
☎604-291-6021

Metro-Dade Police Department
Opa Locka Airport
Building 121
Opa Locka, FL 33054
☎305-681-4011

Metropolitan Helicopter Inc.
Rural Route 2, Box 16
Wahoo, NE 68066

Metropolitan Helicopter Service, Inc.
952 Holmdel Road
Holmdel, NJ 07733
☎201-946-8134
President: Edward Cruz
Operations Manager: Nick Ferrante
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Executive transport, Photography
Helicopters: **1**-206L

Metropolitan Helicopter Corp.
Box 297
Ridgefield Park, NJ 07660
☎201-440-8091

Metropolitan Helicopter Corp.
Wall Street Heliport
New York, NY 10004
☎212-883-0999

Metropolitan Helicopters
Route 1, Box 521A
Glenco, MO 63038
☎314-532-4585

Miami Helicopter Service, Inc.
Building 105
Opa Locka Airport
Opa Locka, FL 33014
☎305-688-6777

Miami Police Department
P.O. Box 016777
Miami, FL
☎305-579-6524

Michaud Aviation
P.O. Box 1279
Willows, CA 95988
☎916-934-3113

Mid Atlantic Helicopters Inc.
3017 Imperial Drive
Saint Charles, MO 63017

Mid Continent of California
P.O. Box 489
Oxnard, CA 93030
☎805-487-6365

Mid Ohio Chemical Helicopters Inc.
249 Chestnut Street
Mount Sterling, OH 43143

Mid Valley Helicopters, Inc.
397 Talbot Road, S.E.
Jefferson, OR 97352
☎503-327-1169
President: Frank Gilmour
Operations: Agriculture,
Air taxi/charter (US part 135),
Bank paper transportation, Executive transport,
Exploration, External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Pollution detection/monitoring, Sightseeing,
Traffic surveillance, Electronic news gathering
Helicopters: **2**-206B

Mid-America Helicopters, Inc.
Spirit of Saint Louis Airport
Chesterfield, MO 63017
☎314-532-4241

Mid-State/Executive Helicopters, Inc.
2001 Flight Way Drive
Dekalb-Peachtree Airport
Atlanta, GA 30341
☎404-458-6082
Owner/President: Jack Hereth
Director of Operations: Richard Armstrong
Chief Pilot: Mike Ward
Pilot: Harold Browning
Operations: Air taxi/charter (US part 135),
Commuter air carrier (scheduled), Construction,
Electronic news gathering, Executive transport,
Exploration, External cargo,
Fire control/support, Forestry,
general, Government contracting,
Law enforcement (for hire),
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Pollution detection/monitoring,
Repair station (FAA certified), Sightseeing,
Traffic surveillance
Helicopters: **3**-206B,**5**-300C,**1**-500D

Mid-West Rotors
404 W. Cedar Street
Kahoka, MO 63445
☎816-727-2027

Midland County Sheriff
P.O. Box 2355
Midland, TX 79702
☎915-682-9774

Midland Helicopter Inc.
P.O. Box 50443
Midland, TX 79701

Midway Aircraft Company
185 Berger Street
Wood Ridge, NJ 07075
☎516-957-0801

Midwest Air Service, Inc.
Rural Route 2, P.O. Box 285
Rochester, IN 46975

Midwest Aviation Inc.
P.O. Box 3085
Fargo, ND 58102

Midwest Helicopter Airways Incorporated
Midwest Heliport
Hinsdale, IL 60521
☎312-325-7860
President: Richard J. Smith
Vice President: Jack Hansen, Jr.
Chief Pilot: Benjamin H. Moore, Jr.
Secretary-Treasurer: S.L. Smith
Operations: Air taxi/charter (US part 135),
Bank paper transportation, Construction,
Electronic news gathering, EMS/air ambulance,
Executive transport, Exploration, External cargo,
Forestry, general, Government contracting,
Logging, Patrol (power, pipeline, buried cable),
Photography, Traffic surveillance
Helicopters: **1**-S58T,**2**-S58J,**1**-206L,**1**-12E4

Midwest Helicopter Co. Inc.
P.O. Box 15
Cecil, OH 45821

Midwest Helicopters Ltd.
103-9600 Manning Avenue
Fort McMurray, AB, Canada
☎403-743-1765

Midwest Helicopters Ltd.
Hangar T-127
Winnipeg International Airport
Winnipeg, MB, R3J 0H7, Canada
☎204-885-6212

Mikko Hanninen Kommandittiyhto
Paavontie 58
43100 Saarijarvi, Finland
☎944-21028

Mincorp, Inc.
P.O. Box 260
Friedens, PA 15541
☎814-443-4668
Chairman of the Board: Fred S. Shaulis
Chief Pilot: William J. Tritt, Jr.
Operations: Executive transport,
Air taxi/charter (US part 135),
Corporate (US part 91, not for hire)
Helicopters: **1**-350D,**1**-355E

Minnesota State Police
Administration Building, Room 4
Saint Paul Downtown Airport
Saint Paul, MN 55107
☎612-296-3170

Minnkota Power Co-op, Inc.
P.O. Box 1318
Grand Forks, ND 58206-1318
☎701-795-4430
President: Lyle Lund
Operations Manager: Ray Schafer
Chief Pilot: Tom Cochran
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B

Minuteman Aviation Inc.
Missoula County Airport
5225 Highway 10 West
Missoula, MT 59802
☎406-728-9363

Missouri State Highway Patrol
1510 E. Elm Street
Jefferson City, MO 65101
☎314-751-3313

Mitchell Helicopter Service
44 Sundale Circle
Paragould, AR 72450
☎501-239-8001

Miyauchi Trading K.K.
4-6-12-306
Nakano-Ku Chuo
Tokyo, Japan
☎03-384-0790 ☐2325276

Mobil Oil Canada, Ltd.
P.O. Box 800
Calgary, AB, T2P 2J7, Canada
☎403-268-7687 ☐6108210561
Aviation Manager: R.M. McNichol
Operations: Corporate (US part 91, not for hire),
Exploration, Offshore

Mobil Oil Corporation
Aircraft Services Department
100 First Stamford Place
P.O. Box 10160
Stamford, CT 06904-2160
☎203-328-7116 ☐RNYAL
General Manager: C.E. Morris
Chief Aviation Advisor, Helicopter:
Joseph C. Gross
Asst. Manager/Helicopter Operations:
L.C. Howard
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B,**3**-206L,**1**-S76A

Mobil Oil Exploration
& Producing Southeast, Inc.
Aircraft Operations Department
1200 Youngs Road
Morgan City, LA 70380
☎504-384-9550 ☐8109505716
Aviation Manager: Travis D. Rhodes
Chief Pilot: Larry J. Pearson
Chief of Maintenance: Thomas E. Bergeron
Operations: Corporate (US part 91, not for hire),
Executive transport, Offshore,
Repair station (FAA certified)
Helicopters: **1**-S76A,**2**-355F,**7**-206L,**1**-206B

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it's a bird, it's a plane . . .

It's an Andrews Microwave Antenna . . . being hoisted and set at the top of a 200 foot radio/TV tower on the roof of the world's tallest building, the Sears Tower in Chicago. Ben Moore, at the controls of his Sikorsky 58T completed the operation in 15 minutes.

Midwest Helicopter Airways
Hinsdale, Illinois

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HAI Safety & Education Department
1110 Vermont Ave., N.W., Suite 430,
Washington, D.C. 20005
Telephone: 202-466-2420. Telex: 89-615.
Or return the information reply card on page 208.

Helicopter
Association
International

Mobil Producing Services East Asia, Incorporated
Hangar 505, W. Camp Seletar
Singapore 2879
☎4813015 □34677
Operations Manager: Jon H. McBride
Chief Pilot: Alan J. Eade
Asst. Chief Pilot/Rotary Wing: Larry B. Edeal
Operations: Corporate (US part 91, not for hire), Exploration, External cargo
Helicopters: 1-330J,1-316B,1-B105

Modern Aero of Texas Inc.
Redbird Airport
Lock Box 37
Dallas, TX 75232

Modern Constructors, Inc.
P.O. Box 457
Duluth, MN 55801
☎218-722-0571

Mohawk Helicopter Service Inc.
260 Burdeck Street
Schenectady, NY 12306

Mont-Blanc Helicopteres
Aerodrome d'Annemasse
Route de Thonon
47100 Annemasse, France
☎50-927821 □385523

Monterey Peninsula Helicopters, Inc.
312 W. Carmel Valley Road
Carmel Valley, CA 93924
☎408-659-3898
President: Michael P. Marquard
Vice President: Robert E. McDonald, III
Secretary/Treasurer: Diane R. Marquard
Chief Pilot: Robert L. Eversmann
Operations: Air/taxie (US part 135), Executive transport, Government contracting, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Sightseeing
Helicopters: 1-300C,1-206B

Moore Aviation Inc.
P.O. Box 868
Tulare, CA 93275

Moore's Hawaiian Helicopters
95129 Ikawelane Place
Mililane Town, HI 96789

Morefly A/S
Alesund Airport
6040 Vigra, Norway
☎071-33391 □40275

Morse Aero Inc.,
1404 Whitesboro Street
Utica, NY 13502
☎315-736-1735

Motorflug GmbH.
Flughafen
P.O. Box 2080
Baden-Baden, 7570, West Germany
☎7221-61003 □781129
President: Christoph von Barner
Technical Manager: Klaus Menzner
Aviation Manager: Ingo Kuhneweg
Operations: Executive transport, Government contracting, Mechanic training school, Pilot training school, Repair station (FAA certified)
Helicopters: 2-206B

Mount Cook Group Ltd.
Private Bag
47 Riccarton Road
Christchurch, New Zealand
☎482099 □4297

Mountain Air Helicopter Inc.
P.O. Box 852
Albany, OR 97321

Mountain Helicopters
8 Merrick Street
Greymouth, New Zealand
☎7613

Mountain Jet Aviation, Inc.
P.O. Box 669
Elkins, WV 26241
☎304-636-6803
President: Dennis G. Peterson
Operations: Agriculture, Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, Forestry, general, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Sightseeing
Helicopters: 1-206B

Mountain West Helicopters
P.O. Box 228
Kalispell, MT 59901
☎406-755-3333
President: Ted W. Parod
Vice President/Treasurer: Henry M. Galpin
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Photography, Repair station (FAA certified)
Helicopters: 3-206B,1-206L

Mountain West Helicopters
Bear Creek Route
Box 13
La Grange, WY 82221
☎307-834-2384

Municipal Spraying & Contracting Limited
P.O. Box 70
Bedford, NS, B4A 2X1, Canada
☎902-835-3381

Murrayair Ltd.
Box 2279
1 Talaat Harb Square
Cairo, Egypt
☎746197 □92442

Musashi Koku Company Ltd.
1359 Oaza-Ogoe
Kazo, Saitama, 347-02, Japan

Myong Am Tourist Co.
135-3 Hwang Oh-kong
Kyung Ju-City
Kyongsang Bu K-Do, 681, Korea

N.C. Hutton Ltd.
P.O.Box 8336, Clyde Avenue
Donovans Industrial Park
Saint John's, NF, A1B 3N7, Canada
☎709-368-2131

NASA
Ames Research Center
Mail Stop 200-3
Moffett Field, CA 94035
☎415-965-5066
Director/Aeronautics & Flight: C. Thomas Snyder
Helicopters: 2-B205,1-206B,1-S61N

Nahanni Helicopters Ltd.
4193 104th Strret
Delta, BC, V4K 3N3, Canada
☎604-594-2441

Nakanihon Air Services Co.,Ltd
Nagoya Airport, Toyoyama
Nishi-Kasugai, Aichi, Japan

Naples Helicopters Inc.
5590 Shirley Street
P.O. Box 9104
Naples, FL 33941

Narrows Helicopter Inc.
104 W. Street
Narrows, VA 24124

Nashville Metro Police Department
Aviation Section
1110 Public Square
Nashville, TN 37201
☎615-259-5635

Nassau County Police Air Bureau
Grumman Airport
S. Oyster Bay Road
Bethpage, NY 11714
☎516-576-9844
Commanding Officer: Guy Hammersmith
Operations: EMS/air ambulance, Fire control/support, Government agency (not for hire), Law enforcement (for hire), Photography, Pollution detection/monitoring, Traffic surveillance
Helicopters: 1-B47G,3-206B,1-FH11

National Air College
3760 Glen Curtis Road
Montgomery Field
San Diego, CA 92123
☎619-279-4595

National Crime Prevention Institute
University of Louisville
Shelby Campus
Louisville, KY 40292
☎502-588-6987

National Helicopter Service & Engineering Co.
16800 Roscoe Boulevard
Van Nuys, CA 91406
☎818-345-5222

National Power Corporation
Domestic Airport
Pasay, Philippines

National Utilities & Industries
1 Elizabeth Town Plaza
Elizabeth, NJ 07207
☎201-351-2900

National Utility Helicopters P.T.
P.O. Box 83, Jalan Kayu
9180 Singapore
☎4815188 □RS36996
President: Rusmiputro Wibisono
Director of Operations: Richard Alzetta
Director of Maintenance: Barry McCutcheon
Maintenance Manager: James Faulks
Branch Manager: Vince Ko
Operations: Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Forestry, general, Government contracting, Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Sightseeing
Helicopters: 7-205A,1-206B

National Utility Helicopters P.T.
Jalan Suryopranoto No. 11G
Jakarta Pusat, Indonesia
☎37117
President: Rusmiputro Wibisono
Director of Operations: Richard Alzetta
Director of Maintenance: Barry McCutcheon
Maintenance Manager: James Faulks
Branch Manager: Vince Ko
Operations: Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Forestry, general, Government contracting, Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Sightseeing
Helicopters: 7-205A,1-206B

National County Sheriff
2-1 N. David
Casper, WY 82601
☎307-235-9282

Navajo Aviation
145 John Glen Drive
Concord, CA 94520
☎415-685-1150

Navar Aeromarine Inc.
1800 N. Mesa Drive
Suite 2-D
El Paso, TX 79902

Nealco Air Services Ltd.
P.O. Box 544
Port of Spain, Trinidad

Nevada Highway Patrol
914 W. King Street
Carson City, NV 89701

New England Helicopter Airlines Inc.
42 E. Dudley Town Road
Bloomfield, CT 06002

New Hampshire State Police
Hazen Road
Concord, NH 03301
☎603-271-3636

New Horizon Helicopter Corp.
P.O. Box 922, Depot Lane
Cutchogue, NY 11935

New Horizons Aviation Inc.
P.O. Box 30353
Cincinnati, OH 45230
☎513-232-1835
President: William L. Brown
Operations: Air taxi/charter (US part 135), Executive transport, Electronic news gathering, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Traffic surveillance
Helicopters: 1-F28

New Jersey Bell Telephone Co.
540 Broad Street
Room 1400
Neward, NJ 07101
☎201-649-2813
Manager, Service Bureau: John J. White
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-S76A

New Mexico State Police
P.O. Box 1628
Santa Fe, NM 87501
☎505-827-2583

1986 Helicopter Annual

member operator bonus...

An opportunity to demonstrate unusual uses of the helicopter

Helicopter Operators...
VITAL & VERSATILE

Do you have an interesting story to tell?

HAI member operators are invited to submit stories about unusual or uniquely cost-effective uses of the helicopter. Stories selected will appear in this format, in the operator directory section of the 1986 Helicopter Annual.

Take advantage of this opportunity to tell your story in 50 words or less. Include an appropriate photograph, and mail today! The 1986 Helicopter Annual 1110 Vermont Ave. N.W. Suite 430 Washington, D.C. 20005.

Operator's name & location will appear in this space.

New World Aviation Pty. Ltd.
Heliport Place
Sydney (KS) Airport
NSW, 2020, Australia
☎02-6931188 □70083

New York City Police Department
Aviation Unit
Floyd Bennett Field, Hangar 4
Brooklyn, NY 11234
☎516-377-6016

New York State Aviation
Albany County Airport
Albany, NY 12211
☎518-457-1200

New York State Police
State Campus
Building 22
Albany, NY 12226
☎518-457-5929
Assistant to the Superintendent:
Colonel Gary E. Preston
Chief Pilot: S.R. Thomas
Operations: EMS/air ambulance,
Government agency (not for hire),
Law enforcement (for hire)
Helicopters: 1-222/,3-206L

Newhouse Broadcasting Corp.
2 Clinton Square
Syracuse, NY 12302

Newport Beach Police Department
P.O. Box 7000
Newport Beach, CA 92660
☎714-644-3717

Newtown Township Police Department
P.O. Box 358
Newtown Square, PA 19073
☎215-356-0603

Nihon Norin Helicopter Co. Ltd
1-1, Uchisaiwai-cho
2-chome Chiyoda-ku
Tokyo, 100, Japan
☎03-5035551

Nihon Sangko Koku Co. Ltd
Yao Airport, 248, Kinomoto
Yao-shi, Osaka, 581, Japan
☎0729-917245

Nile Delta Air Service
Box 2279
1 Talaat Harb Square
Cairo, Egypt
☎746197 □92442

Nipissing Helicopters
P.O. Box 848
Sturgeon Falls, ON, P0H 2G0, Canada
☎705-753-1600

Nishi-Nippon Airlines Co. Ltd.
7-11, Tenjin
4-chome, Chuo-ku
Fukuoka, 810, Japan
☎092-7616257

Norcross Helicopters, Inc.
1260 Scottsville Road
Rochester, NY 14624
☎716-235-4090

Nord Aviation Inc.
E. Pembina Airport
Pembina, ND 58271

Nord-Flyg AB
Flygplatsen
635 90 Eskilstuna, Sweden
☎016-94010 □46049

Norman Bailey Helicopters Ltd.
Southampton (Eastleigh) Airport
Southampton
Hants, S09 1FQ, England
☎0703-618444 □477820

Norrlandsflyg AB
Box 24
94200 Gällivare, Sweden
☎0970-11248

North American Helicopter Service
2703 152nd Avenue, N.E.
Redmond, WA 98052

North Carolina Helicopters Inc.
County Road, 1313 Route 6
Box 193
Gastonia, NC 28052

North Coast Helicopter Service
7414 Brentwood Drive
Stockton, CA 95207
☎209-478-4442

North Miami Beach Police Department
17050 N.E. 19th Avenue
N. Miami Beach, FL 33162
☎305-948-2929

North Scottish Helicopters
Aberdeen Airport East
Dyce
Aberdeen, AB2 0DT, England
☎0224-725505 □739794

North Shore Helicopters Ltd.
P.O. Box 86717
N. Vancouver, BC, V7L 4L2, Canada
☎604-926-0021

North Star Helicopters
P.O. Box 2500
Hearst, ON, P0L 1N0, Canada
☎705-362-8586

North-Air Helicopters Inc.
Short Lots Road, Route 3
Frackfort, NY 13340

Northeast Helicopter Service
RFD 1, Box 542
Bucksport, ME 04416
☎207-827-2212
President: Albert P. Averill
Operations Manager: Mark Averill
Operations: Agriculture,
Air taxi/charter (US part 135), External cargo,
Forestry, general,
Patrol (power, pipeline, buried cable)
Helicopters: 3-47G5

Northeast Helicopters, Inc.
Hangar 2, Ellington Airport
Ellington, CT 06029
☎203-871-2054

Northern Aviation Inc.
P.O. Box 811
Nome, AK 99762

Northern Mountain Helicopters Inc.
P.O. Box 368
Prince George, V2L 4S2, Canada
☎604-963-9622 □0478027

Northlands Helicopter
Box 75
Winterburn, AB, T0E 2N0, Canada
☎403-484-6695

Northrop Corporation
Electro-Mechanical Division
500 E. Orangethrope Avenue
Anaheim, CA 92801
☎714-871-5000 □655417
Chief Test Pilot: Todd A. Miller
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-B212

Northslope Burough Search & Rescue
Box 356
Barrow, AK 99723
☎907-852-2822

Northstar Helicopters
P.O. Box 2500
Hearst, ON, P0L 1N0, Canada
☎705-362-8586

Northwest Aviation Spray Co.
4905 Airport Road
Independence, OR 97351
☎503-838-2935

Northwestern Enterprises
P.O. Box 95
Heyburn, ID 83336
☎208-678-9361

Norwegian Air Ambulance
P.O. Box 94
1441 Drobak, Norway
☎02932160 □72458
President: Tor Eggesvik
General Manager: Jens Moe
Operations Manager: Roy Estensen
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Executive transport,
External cargo, Law enforcement (for hire),
Photography, Sightseeing, Traffic surveillance
Helicopters: 3-BO105,1-206B

Nova, an Alberta Corporation
Aviation Department
P.O. Box 2330
9888 Jasper Avenue
Edmonton, AB, T5J 2R1, Canada
☎403-423-8266
Operations Manager: Wayne Martyn
Chief Pilot: Ian McLeod
Operations: Corporate (US part 91, not for hire)
Helicopters: 2-206B,1-AS355

Nova Helicopters Ltd.
4280 Cowley Crescent
Richmond, BC, V7B 1B8, Canada
☎604-273-9732

Nova Lumber Co., Ltd.
200 Bridge Street
N. Vancouver, BC, V7H 1W7, Canada
☎604-929-3471 □04352604
President: N. Earl Noble
Operations: Corporate (US part 91, not for hire),
Forestry, general
Helicopters: 1-206L

Nova Scotia Department
of Lands & Forests Air Service
P.O. Box 130
Shubenacadie, NS, B0N 2H0, Canada
☎902-758-3438 □019-34545

Nova Scotia Power Corporation
Box 910
Halifax, NS, ELN 250, Canada
☎902-861-3715

Tom O'Connor, Jr.
400 Victoria Bank & Trust Building
Victoria, TX 77901
Chief Pilot: Rufus Rogers
Pilot: Dennis O'Connor, III
Operations: External cargo,
Herding (stock & wildlife),
Patrol (power, pipeline & buried cable),
Photography, Private owners
Helicopters: 1-206L,1-500D

O'Reilly's Econo Leasing
P.O. Box 50504
Tucson, AZ 85703
☎602-882-8973

Oak Mountain Helicopter Inc.
165 W. Valley Avenue, No. 103
Birmingham, AL 35216
☎205-942-2006

Oakland Police Department
455 7th Street
Oakland, CA 94607
☎415-569-0740

Oasis Petroleum Corporation
5901 Green Valley Circle
Culver City, CA 90230
☎213-642-0100 ☐686497

Occidental Petroleum Corp.
5000 Stockdale Highway
Bakersfield, CA 93309
☎805-327-7351 ☐682421
Transportation Superintendent: Carl E. Lucas
Operations: Construction,
Corporate (US part 91, not for hire),
External cargo,
Patrol (power, pipeline, buried cable),
Pollution detection/monitoring
Helicopters: 1-B212,1-206B

Oceanair Services, Ltd.
P.O. Box 5340
Saint John's, NF, A1C 5W2, Canada
☎709-753-7023 ☐0164620

Ochoa Helicopter Service
409 Baylor Drive
Woodland, CA 95695
☎916-666-3514

Offenburger Flugdienst GmbH.
Flugplatz
7600 Offenburg, West Germany
☎0781-26928

Office of State Attorney
Third Judicial Circuit Court
P.O. Drawer 1546
Live Oak, FL 32060
☎904-362-2320

Office of the Sheriff
Jacksonville Police Department
8837 Saint Johns Bluff Road
Jacksonville, FL 32225
☎904-642-0422

Ohio Agrotors Inc.
5925 W. County Line Road
Mineral Ridge, OH 44440

Ohio Helicopter Inc.
P.O. Box 406
Wilmington, OH 54077

Ohio State Highway Patrol
2829 W. Dublin-Granville Road
Worthington, OH 43085
☎614-466-4468

Okanagan Helicopters Australia
Suite 5, Guild House
56 Kishorn Road
Applecross, WA, 6153, Australia
☎09-3648083 ☐92798

Okanagan Helicopters Ltd.
Building 302
E. Camp. Seletar Airbase
2879 Singapore

Okanagan Helicopters Ltd.
c/o Holiday Inn
Bairaj Sahani Marg
Juhu Beach, Bombay, India
☎400049

Okanagan Helicopters Ltd.
Box 311
Lahug Airport
Cebu City, Philippines

Okanagan Helicopters, Ltd.
4391 Agar Drive
Richmond, BC, V7B 1A5, Canada
☎604-278-5502 ☐04355594
President & General Manager: Pat A. Aldous
Senior Vice President, Marketing:
Fred A. Moore
General Manager, Operating Division:
Dick Everson
Operations: Air taxi/charter (US part 135),
Construction, EMS/air ambulance, Exploration,
External cargo, Fire control/support,
Forestry, general,
Government agency (not for hire),
Logging, Mechanic training school, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified),
Sightseeing, Skiing
Helicopters: 71-206B,7-206L,3-205A,11-B212
2-214S,12-S76A,10-S61N,2-332C

Okanagan Helicopters, Ltd.
Box 566
9 Surawongse Road
Bangkok, 5, Thailand
☎2335622 ☐81178

Okanagan Helicopters, Ltd.
Box 1031
Banff, AB, Canada
☎403-762-4082

Okanagan Helicopters Ltd.
Avenida Luis del Valle Garcia No. 53
Quinta Las Maria, Maturin
Estado Monagas, Venezuela
☎091-23057 ☐91194

Oklahoma Aircraft Corporation
P.O. Box 307
Yukon, OK 73099

Oklahoma Aviation Corporation
2916 Lansdown Lane
Oklahoma City, OK 73120

Oklahoma City Police Department
3101 N.E. 63rd Street
Expressway Air Park
Oklahoma City, OK 73131
☎405-478-1211

Oklahoma Helicopters, Inc.
1700 Lexington, Room 108
Norman, OK 73069
☎405-329-2125

Oklahoma Highway Patrol
Wiley Post Airport
Hangar 5
Bethany, OK 73008
☎405-789-4012

Olink Enterprises, Inc.
Box 1198
Princeton, NJ 08540
☎609-924-8290

Oliver Helicopter & Engine Corp.
P.O. Box 1567
Apple Valley, CA 92307

Olivers Helicopters Inc.
333 Byron
Bloomingdale, IL 60108

Olympic Aviation SA
96-100 Sygrou Avenue
Athens, 404, Greece
☎01-9811211 ☐215824

Olympic Helicopter in Ohio Inc.
530 S. Maple Street
Bowling Green, OH 43402

Omni Helicopters Inc.
1601 N. Marginal Road
Burke Lakefront
Cleveland, OH 44114

Omniflight Aircraft Corporation
Route 7, Highway 51, South
Janesville, WI 53545
☎608-756-3631

Omniflight Airways
Glenn L. Martin State Airport
701 Wilson Point Road
Hangar 6
Baltimore, MD 21220
☎301-391-7722

Omniflight Helicopters, Inc.
Route 7, Highway 51, South
Janesville, WI 53545
☎608-756-3631

Omniflight Helicopter Services, Inc.
P.O. Box 4067
Linden, NJ 07606
☎201-862-8638

Omniflight, Inc.
105A Wappoo Creek Drive
Charleston, SC 29412
☎803-762-1620
Chief Executive Officer: Dan Parker
Executive Vice President: Roland F. Wisner
Vice President, Marketing: Bruce Stoehr
Operations: Agriculture,
Air carrier (US Part 127),
Air taxi/charter (US part 135),
Bank paper transportation,
Commuter (scheduled),
Corporate (US part 91, not for hire),
EMS/air ambulance, Electronic news gathering,
Exploration, External cargo, Forestry,
general, Law enforcement (not for hire),
Offshore, Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA approved),
Traffic surveillance
Helicopters: 1-206B

Omniflight Offshore, Inc.
International Airport
P.O. Box 7519
Corpus Christi, TX
☎512-289-1181

Onondaga County Sheriff's Department
Cessna Drive, Hangar 1
Warners, NY 13164
☎315-425-3095
Major: J.A. Mehlek
Operations Manager: Lt. P.C. Zemenz
Chief Pilot: Carl L. Mosegard
Chief Mechanic: Henry Newman
Operations: EMS/air ambulance, Law enforcement (not for hire), Photography, Traffic surveillance
Helicopters: **1**-206B

Ontario Hydro
Hangar 10
2450 Derry Road East
Mississauga, ON, L5S 1B2, Canada
☎416-677-1330 ☐06217662
President: Milan Nastich
Superintendent/Helicopter Services: Robert F. Seymour
Manager, Central Maintenance: W. Andrew Humphries
Pilot Supervisor: John M. Carnie
Operations: Construction, Corporate (US part 91, not for hire), Exploration, External cargo, Fire control/support, Forestry, general, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring
Helicopters: **2**-S58T,**5**-206B,**1**-47G4

Ontario Provincial Police
Field Administration Branch
90 Harbour Street
Toronto, ON, M7A 2S1, Canada
☎416-965-4890

Ontrac Air Service
11718 47th Drive, N.E.
Marysville, WA 98270
☎206-659-6579

Oregon Helicopters Inc.
P.O. Box 2338
Culver City, CA 90230

Oregon State Police
P.O. Box 66009
Portland, OR 97266
☎503-238-8440

Orlando Blade Technologies, Inc.
Building 25
Sanford Airport
Sanford, FL 32771
☎305-321-3068 ☐564400
President: Ted Toms
Operations: Main & tail rotor blade overhaul Sikorsky, Bell, Hughes, Hiller, Enstrom
Helicopters: **1**-S55

Orlando Helicopter Airways, Inc.
P.O. Box 2802
Orlando, FL 32802
☎305-323-1756 ☐564400
President: Fred P. Clark
Operations Manager: Bradley G. Clark
Maintenance: James Woodall
Operations: Agriculture, Construction, External cargo, Repair station (FAA certified)
Helicopters: **3**-S58T,**4**-S55T,**2**-S52A,**1**-47B

Osaka Airways Co. Ltd
2-8-110, Nanbanaka
Naniwa-ku
Osaka, 556, Japan
☎631-5567

Osterman Helicopter
Stjarnplan 3
21618 Malmo, Sweden
☎040-163070 ☐32703

Osterman Helicopter Gothenbourg AB
Pl 683
S-420 Save, Sweden
☎946-31925525 ☐27403

Ostermans Aero AB
Box 422
Stockholm-Jarfalla, S-175 25, Sweden
☎468-7602720 ☐17294
President: Ragnar Frimodig
Operations Director: Bengt Billing
Chief Pilot: Bo Isakson
Technical Director: Goran Wallert
Operations: Agriculture, Air taxi/charter (US part 135), Commuter air carrier (scheduled), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Law enforcement (for hire), Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Pollution detection/monitoring, Repair station (FAA certified), Sightseeing
Helicopters: **5**-206L,**2**-206B,**1**-R22,**1**-280C

Ostersunds Helikopter AB
Galoppstigen 2 C
831 00 Ostersund, Sweden
☎63-35170

Owyhee Air Inc.
P.O. Box 2
Grandview, ID 83624

Oxnard Police Department
251 S. C Street
Oxnard, CA 93030
☎805-486-4311

Ozark Mountain Helicopters, Inc.
Box 519, W. Highway 76
Branson, MO 65616
☎417-334-6594

P.M. Dusters Inc.
P.O. Box 1534
Chico, CA 95927

P.M.C. Associated Company, Ltd.
370-372 Mahesak Road
Off Silom Road, Bang Rak
Bangkok, 5, Thailand
☎234-0818 ☐87330

PAS-Professional Air System
Aerodrome de Guyancourt
78190 Trappes, France
☎3-0432918 ☐640451

PDQ Air Service Inc.
6544 Highland Drive
Pontiac, MI 48056

PLM Helicopters Ltd.
Dalcross Airport
Inverness, IV1 2JB, England
☎0667-62740 ☐75575

Pacific Air Logistics, Inc.
2823 N. San Fernando Boulevard
Burbank, CA 91504
☎213-845-7887

Pacific Executive Charter
2733 East Spring Street
Long Beach, CA 90806
☎213-595-4353

Pacific Flights Inc.
3650 Biddle Road
Medford, OR 97501
☎503-779-5445

Pacific Helicopters Ltd.
4193 104th Street
Delta, BC, V4K 3N3, Canada
☎604-591-8265

Pacific Helicopters Pty Ltd.
Box 342
Goroka, EHP, New Guinea
☎721573 ☐72623

Pacific Helicopters, Inc.
Drawer J
Startup, WA 98293
☎206-793-0123
President: Marvin A. Smith
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Logging, Photography
Helicopters: **1**-206B

Pacific Lumber & Shipping Co.
P.O. Box 21785
Seattle, WA 98111
☎206-682-7262
President: Charles L. Spence
Aviation Manager: Michael S. Davenport
Operations: Air taxi/charter (US part 135), Construction, Electronic news gathering, Executive transport, Exploration, External cargo, Forestry, general, Patrol (power, pipeline, buried cable), Photography, Sightseeing
Helicopters: **1**-206B

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Pasadena, CA 91103
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Commander: Lieutenant Nick J. Agosta
Operations Manager:
Sergeant Terry M. Blumenthal
Pilot/Accounting Officer: Dennis M. Henslee
Safety Officer: Michael J. White
Operations: Government agency (not for hire), Law enforcement (not for hire)
Helicopters: **3**-F28C,**1**-F28A

Pasco County Sheriff Department
1055 Moon Lake Road
Newport Richey, FL 33552
☎913-847-5878

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Cronista Carreres 11
Valencia, 3, Spain
☎96-3214541

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Patterson, CA 95363

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☎505-748-1331
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Vice President: John A. Yates
Chief Pilot: Charles A. Throckmorton
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Executive transport, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Private owners, Sightseeing
Helicopters: **1**-350B

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Boulder, CO 80306

Pegasus Helicopters Inc.
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Yuba City, CA 95991
☎916-671-1500

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Jakarta, Pusat, Indonesia
☎375908 ☐46462
President/Director: Mulyono
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Executive transport, Exploration, External cargo, Forestry, general, Government contracting, Government agency (not for hire), Offshore, Patrol (power, pipeline, buried cable)
Helicopters: **16**-330J,**3**-206B,**3**-B212,**29**-500C **5**-B105,**3**-319B

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Pemberton, BC, V0N 2L0, Canada
☎604-894-6919

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Lked Building 113
Kota Kinabalu International Airport
Kota Kinabalu, Sabah, Malaysia
☎56733 ☐80073
Managing Director: A.M. Bin Mohamed Noor
Operations: Air taxi/charter (US part 135), Offshore, Agriculture, Photography, EMS/air ambulance, Forestry, general
Helicopters: **8**-206B,**3**-B212,**1**-315B

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Torrance, CA 90505
☎213-326-5050

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3233 Skyway Drive
Santa Maria, CA 93455
☎805-928-5927
President: Mel Canon
Operations Manager: Ron Black
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Director of Maintenance: Les DeNaughel
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Helicopters: **2**-206B,**3**-B212,**2**-206L

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☎5-7635047

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☎712798 ☐21404
Chairman & Managing Director: Amir A. Riad
Operations Manager: Edward F. Quaid, III
Chief Pilot: S.T. Viljoen
Safety Officer: Wasfy Bishara
Operations: Offshore
Helicopters: **12**-B212,**6**-206L,**2**-206B,**1**-222UT

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Lafayette, LA 70509
☎318-235-2452 ☐586670
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V.P./Chief Pilot: Vernon E. Albert
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Helicopters: **117**-206B,**122**-206L,**37**-355F, **39**-B212,**14**-B412,**35**-350D,**4**-B222,**2**-214S, **20**-S76A,**9**-330J,**12**-B105

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Englewood, CO 80111
☎303-779-5500

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☎702-782-4040

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Jefferson, MA 01522

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Operations Manager: Carlo de Bellegarde
Operations: Corporate (US part 91, not for hire), Executive transport,
Repair station (FAA certified)
Helicopters: **2**-206B

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Lebanon, VA 24266

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Teterboro, NJ 07608
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Chief Pilot: John J. McGowan
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Operations Manager: Lee Hodges
Corporate Pilot: Bill Griffiths
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Helicopters: **1**-BO105

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Portland, OR 97204
☎503-796-3341

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Chesapeake, VA 23321
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Houston, TX 77061
☎713-738-6666 ☐794254
General Manager: Marvin Beck
Director of Marketing: John Hargleroad
Director of Maintenance: Donald W. Shelton
Chief Pilot: Robert Trick
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Executive transport, Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Electronic news gathering
Helicopters: **5**-350D,**1**-206L,**1**-355E,**1**-S76A

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7742 W. Olive Street
Hangar 2
Peoria, AZ 85345
☎602-979-0120
President: Lemuel S. Cook
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Bank paper transportation, Construction, Electronic news gathering, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Pollution detection/monitoring, Sightseeing, Skiing, Traffic surveillance
Helicopters: **3**-206B,**1**-500D,**2**-269C,**1**-350D

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☎303-674-2487
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Vice President: David L. Cann
Operations: Air taxi/charter (US part 135), Construction, Exploration, External cargo, Forestry, general, Government contracting, LG, Patrol (power, pipeline, buried cable), Skiing
Helicopters: **1**-SL47

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1850 Grimbergen, Belgium
☎02-2693144 □23141

Public Service Company of Colorado
8645 Montview Boulevard
Denver, CO 80220-2292
☎303-329-1032
President: C. K. Miller
Operations Manager: Frank E. Raglin
Chief Pilot: Robert B. Greeno
Operations: Corporate (US part 91, not for hire), Patrol (power, pipeline, buried cable)
Helicopters: **1**-206B,**1**-206L

Public Service Company of Indiana
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Plainfield, IN 46168
☎317-838-1575
Chief Pilot: J.A. Van Der Vliet
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Operations: Corporate (US part 91, not for hire)
Helicopters: **2**-206B

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Alvarado Square
Albuquerque, NM 87158
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Air Operations Department
International Airport
San Juan, 00913, Puerto Rico
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Director for Administration: Carlos Velaquez
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Helicopters: **1**-S58T,**2**-341G,**1**-H12E

Pumpkin Air, Inc.
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Addison, TX 75001-1110
☎214-233-6464
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Vice President/General Manager: Thomas M. Ramirez
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Director of Safety: Richard Black
Operations: Air taxi/charter (US part 135), Electronic news gathering, EMS/air ambulance, Executive transport, External cargo, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: **2**-S76A,**2**-B212,**1**-B412,**1**-350D, **1**-222UT,**21**-206L,**16**-206B

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Magnetic Island
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☎258293 □011-2967

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Doha, Qatar
☎325992 □74214

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King City, MO 64463
☎816-535-4589

Quasar Aviation, Ltd.
460 McTavish Road
Calgary, AB, T2E 7G5, Canada
☎403-230-1331

Quasar Helicopters Ltd.
P.O. Box 565
Abbotsford, BC, V2S 5Z5, Canada
☎604-853-1215 □363565
President: Daniel T. Dunn
General Manager: Ian Young
Marketing Manager: Jeff Bickerstaff
Chief Pilot: Jim McLean
Operations: Air carrier (US part 127), Air taxi/charter (US part 135), Construction, External cargo, Fire control/support, Forestry, general, Government contracting, Logging, Mechanic training school, Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Skiing
Helicopters: **3**-500C,**1**-500D,**1**-214ST,**2**-B214, **4**-206L,**12**-206B,**2**-205A,**1**-B212

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New York, NY 10006

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Trenton, NJ 08628
☎609-882-3420 □642220
Director/Corporate Aviation:
Anthony "Skip" M. Penizotto
Chief Pilot/Rotary Wing: William C. Furey
Chief of Maintenance: William M. Meyer
Operations: Corporate (US part 91, not for hire),
Executive transport
Helicopters: **2**-S76A

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Harrisburg, PA 17112
☎717-545-2224
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Chief Pilot: Charles E.G. Baird
Operations: Agriculture,
Air taxi/charter (US part 135),
Electronic news gathering, EMS/air ambulance,
Executive transport, Fire control/support,
Forestry, general,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school, Sightseeing
Helicopters: **1**-206B,**1**-206L,**1**-UH12E4,**1**-R22

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☎90-378620

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☎512-926-7600

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Fort Lauderdale, FL 33308

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Livoniz, MI 48152
☎313-478-6070

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☎309-691-4399

Raincross Helicopters
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☎503-963-5644
President: William L. Knight
Operations Manager: Leroy Merrick
Director of Maintenance: Jack Bechtel
Operations: Agriculture,
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EMS/air ambulance, Executive transport,
External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
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Ranger Aviation Inc.
1212 Woodhill Road
Burnsville, MN 55337

Ranger Helicopters Canada
793 River Road, Rural Route 4
Sault Sainte Marie, ON, P6A 5K9, Canada
☎705-942-2642

Raven Helicopters, Inc.
P.O. Box 2242
Sitka, AK 99835
☎907-966-2275

Raven Rotors
Star Route A, Box 1565
Anchorage, AK 99507

Ray's Helicopters
303 Watsabaugh Road
Gillett, WY 82716

Reavcom Services Inc.
Spring Valley Airport
Smith Road
Spring Valley, NY 10970
☎212-344-7920
President: Thomas E. Christman
Aviation Manager: Edwin W. Fuller, Jr.
Operations: Air taxi/charter (US part 135),
Corporate (US part 91, not for hire),
Executive transport, Photography
Helicopters: **1**-206B

Recon Air, Inc.
P.O. Box 815695
Dallas, TX 75381
☎214-960-8600 □203941
President: C. Keith Thompson
Operations Manager: Tim McKenna
Operations: Air taxi/charter (US part 135),
Exploration, Pollution detetion/monitoring,
Patrol (power, pipeline, buried cable)
Helicopters: **2**-206B

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300 N.W. 34th Street
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☎305-523-9624

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Hangar 42, Blackpool Airport
Blackpool
Lancs, FY4 2QS, England
☎0253-401735

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5035 Roadrunner Drive
Mesa, AZ 85205

Redding Air Service Inc.
Municipal Airport
6831 Airway Avenue
Redding, CA 96002
☎916-221-2851
President: J. Burt Train
Operations: Air taxi/charter (US part 135),
Fire control/support, Government contracting,
Patrol (power, pipeline, buried cable),
Forestry, general, Herding (stock & wildlife),
Repair station (FAA certified)
Helicopters: **3**-206B,**1**-47G3

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Panama City Beach, FL 32401
☎904-234-3231

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Grand Junction, CO 81501
☎303-242-4923
President/Director of Operations: John H. Linke
Operations: Air taxi/charter (US part 135),
External cargo, Government contracting,
Sightseeing, Skiing
Helicopters: **1**-369D

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Twin Falls
Sun Valley Regional Airport
Twin Falls, ID 83301

Reef Air Transportation Corp.
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Traverse City, MI 49684

Reforestation Services, Inc.
P.O. Box 3197
Salem, OR 97302
☎503-362-8322
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Vice President: L.J. Liming
Chief Pilot: Jack DeVore
Mechanic: Lynn Ankrum
Operations: Agriculture,
Air taxi/charter (US part 135), External cargo,
Fire control/support, Forestry, general,
Government contracting,
Herding (stock & wildlife), Logging,
Patrol (power, pipeline, buried cable),
Repair station (FAA certified)
Helicopters: **4**-12EJ

Rehnstrom Aero
Box 260
42 Molle, Sweden
☎042-67500

Renaissance Air, Inc.
24460 Novi Road
P.O. Box 633
Novi, MI 48050
☎313-348-8787

Renos Executive Air Inc.
2620 E. Plumb Lane
Reno, NV 89502

Rent A Bird Inc.
708 Canosa Avenue
Las Vegas, NV 89105

Rcp Aviation Inc.
P.O. Box 421
Bluefield, WV 24701

Representaciones Lationo- Americanas y Peruanas
P.O. Box 1286
Lima, Peru
☎270048 □20410

Republic Helicopters (PTY) LTD
P.O. Box 14
Rand Airport, 1419, South Africa
☎827-8907 □4-26848
Managing Director: V. Van Buuren
Operations: EMS/air ambulance, Construction, Executive transport, Exploration, External cargo, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing
Helicopters: **7**-206B,**3**-206L,**1**-B412,**4**-S58T, **1**-47G3

Resorts international Airline, Inc.
900 Lincoln Harbor Heliport
P.O. Box 789
Weehawken, NJ 07087
☎201-865-6900
Executive Vice President: Columbus O'Donnell
General Manager: Matthew Zuccaro
Chief Pilot: Sanford B. Goldstein
Operations: Air taxi/charter (U.S. part 135), Commuter air carrier (scheduled), Corporate (U.S. part 91, not for hire), Executive transportation.
Helicopters: **1**-S61N, **1**-S76

Reunion Air Service
B.P. 116
Aeroport de Gilloot
97463 Saint Denis, Reunion
☎282260 □916236

Revco Helicopters Inc.
Route 1
Bishop, GA 30621

Rex Aviation Ltd.
P.O. Box 5[illegible]
Bankstown, NSW, 2200, Australia
☎02-700651 □AA 20738
General Manager: David Irons
Operations: Repair station (FAA certified), Pilot training school, Mechanic training school, Executive transport
Helicopters: **1**-300C,**1**-350B

Rex Budd Pty. Ltd.
P.O. Box 994
Mareeba, Queensland, 4880 Australia
☎933811 □48945

Rhein-Ruhr Helicopter
Beethovenstrasse 44
5144 Wegberg-Dalheim, West Germany
☎02436-1555 □8329781

Rick Helicopters Inc.
P.O. Box 6283
Anchorage, AK 99502

Ridder Air Enterprises Inc.
Box 310
Whitman, MA 02382

Rigel Aviation Enterprises Inc.
Rural Route 4, Box 177
Willard, OH 44890

Rio Verde Helicopters
P.O. Box 5604
Yuma, AZ 85364
☎602-627-2888

Ritel Copter Service, Inc.
Rural Route 1
Hudson, IA 50643
☎319-988-3598

River City Helicopters, Inc.
3604 Hollister Avenue
Carmichael, CA 95608
☎916-645-7611

Riverside Air Service
6741 Flight Road
Riverside, CA 92504
☎714-689-1160

Riverside Casino
P.O. Box 500
Laughlin, NV 89046
☎702-298-2535

Riverside Police Department
6936 Flight Road
Riverside, CA 92504
☎714-687-6670

Roberts Aircraft Co.
1661 Deer Creek Road
Monument, CO 80132

Roberts Aircraft, Inc.
1715 N. Pinal Avenue
Casa Grande, AZ 85222
☎602-836-3333

Rockwell International Hanford Operations
P.O. Box 800
Building 2721EA/200 E. Area
Richland, WA 99352
☎509-373-1992
President: Paul G. Lorenzini
Chief, Hanford Patrol: Whitney C. Walker
Chief Pilot: Vernon L. Estes
Operations: Government contracting, Government agency (not for hire), Law enforcement (not for hire)
Helicopters: **2**-350D

Rockwell International Corporation
600 Grant Street
Pittsburgh, PA 15219
☎412-565-5814
Director/Flight Operations: K.L. Roloff
Operations: Corporate (US part 91, not for hire), Air taxi/charter (US part 135), Repair station (FAA certified), Pilot training school
Helicopters: **2**-206B,**1**-B222

Rockwell International Corporation
2230 E. Imperial Highway
El Segundo, CA 90245

Rocky Mountain Air
Route 4032
Great Falls, MT 59401
☎406-761-4040

Rocky Mountain Helicopters, Inc.
P.O. Box 1337
Provo, UT 84603-1337
☎801-375-1124 □388378
President: James B. Burr
Vice President, Marketing: Floyd Helm
Operations Manager: Don Andrews
Chief Pilot: Larry Doll
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Logging, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Repair station (FAA certified), Skiing, Traffic surveillance
Helicopters: **4**-214B,**1**-205A,**13**-315B,**15**-316B **6**-350D,**6**-350B,**7**-206B,**1**-206L,**3**-355F

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Provo, Utah

Rodgers Helicopter Service
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Kearney, NE 68847

Rodolfo Herrera-Llerandi
6A Avenida 8-71
Zona 10
Guatemala City, Guatemala
☎66771

133 **Rogers Helicopters, Inc.**
P.O. Box 4
Clovis, CA 93613
☎209-299-4903 □176948
President/CEO: Robert H. Rogers
Executive Vice President: Wanda L. Rogers
Operations Manager: Robin M. Rogers
Chief Pilot: Richard P. Ambrosini
Operations: Agriculture,
Air taxi/charter (US part 135),
EMS/air ambulance, Bank paper transportation,
Construction, Electronic news gathering,
Executive transport, Exploration, External cargo,
Fire control/support, Forestry, general,
Government contracting,
Herding (stock & wildlife), Offshore,
Patrol (power, pipeline, buried cable),
Photography, Repair station (FAA certified),
Sightseeing, Skiing
Helicopters: **1**-204B,**2**-350D,**1**-530F,**6**-206B,
1-206L,**2**-UH1B,**1**-B222,**1**-S62

Rogerson Aircraft
2201 Alton Avenue
Irvine, CA 92714
☎714-660-0666

Ronson Aviation Inc.
Mercer County Airport
Scotch Road
Trenton, NJ 08628

Rorer Group, Inc.
500 Virginia Drive
Fort Washington, PA 19034
☎215-628-6497 □510-611306
Aviation Manager: Gary A. DiVincenzo
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-350D

Rose Ann Marie, Inc.
1981 Main Street
San Diego, CA 92113
☎714-574-1426

Roszko Holdings Ltd.
Box 326
Whitecourt, AB, T0E 2L0, Canada
☎403-778-3961

Rotaflite
P.O. Box 288
Goondiwindi
Queensland, 4390, Australia
☎076711033 □AA 48756
Managing Director: Samuel Coulton
Chief Pilot: David A. Lawton
Operations: Agriculture,
Air taxi/charter (part 135),
Executive transport, Exploration,
External cargo, Forestry, General,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography
Helicopters: **1**-206B

Rotafly, Inc.
Box 11881
Spokane, WA 99211
☎509-535-0176

Roto Whirl, Inc.
Rural Route 3, P.O. Box 229
Wabash, IN 46992
☎219-563-4335

Roto-Flite, Inc.
P.O. Box 3865
Station D
Edmonton, AB, T5L 4K1, Canada
☎403-455-5910

Rotor-Avia GmbH
Flughafen - Heliport
Restaurantgebaude
4050 Monchengladbach, West Germany
☎02161-665766 □833313

Rotor Club d'Annecy
Aerodrome d'Annecy Meythet
Annecy Maythet, 74000, France

Rotor Connection
110 Garner Court
Novato, CA 94947
☎415-883-9464
President: C.P. Walter
Operations: Air taxi/charter (US part 135),
Executive transport,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school, Sightseeing,
Traffic surveillance
Helicopters: **1**-280C,**1**-500D

Rotor Hellas SA
Academias Street 28
Athens, 134, Greece
☎01-3632884 □219291

Rotor Photo
Rural Delivery 8
Box 277
Springwater, NY 14560

Rotor Services Pty. Ltd.
Box 39145
Winnellie, NT, 5789, Australia
☎089-818604 □85653

Rotor Swing Inc.
20965 N. Highway 53
Palatine, IL 60067

Rotor Wing Inc.
P.O. Box 130
Mount Olive, AL 35117
☎205-631-6531

Rotor Work Pty Ltd.
Box 439, Birch Street
Bankstown Airport
Bankstown, NSW, 2200, Australia
☎02-7092181

Rotor Works Inc.
21927 Skywest Drive
Hayward, CA 94541

Rotor-Aids Inc.
2200 Teal Club Road
Oxnard, CA 93030
☎805-984-3860

Rotor-Aids, Inc.
P.O. Box 186
Grand Isle, LA 70358
☎504-787-2121

Rotor-Aids, Inc.
Route 3, Box 908
Abbeville, LA 70510
☎318-893-1783

Rotor-Aire, Inc.
3302 N. Stoughton Road
Madison, WI 53704
☎608-249-6404 □265465

Rotorflug GmbH
Heliport
6382 Friedrichsdorf/T3, West Germany
☎06007-10323 □415951

Rotortech Helicopters Limited
#211, 13766 72nd Avenue
Surrey, BC, V3W 2P4, Canada
☎604-591-7174

Rotorwork Helicopters (PNG)
Box 49
Mount Hagen, WHP, New Guinea
☎551240 □52066

Rotorwork Inc.
P.O. Box 2057
Stuart, FL 33494

Rouse Aviation Services Ltd.
5007 Fuller Street
Independence, MO 64055

Rowco Inc.
11827 Nacogdoches Road
San Antonio, TX 78217

Rowley Aviation Ltd.
4 Osborne Street
Amberly, New Zealand
☎48511

Royal Brunei Malay Regiment
Berakas Camp
Brunei, BFPO, 605, Brunei

Royal Canadian Mounted Police
Air Service Directorate
1200 Alta Vista Drive
Ottawa, ON, K1A 0R2, Canada
☎613-998-3463

Royal Helicopters, Inc.
P.O. Box 29531
Honolulu, HI 96820
☎808-836-2868
President: Ronald W. Thrash
Operations: Air taxi/charter (US part 135),
EMS/air ambulance, Construction,
Electronic news gathering, Executive transport,
External cargo, Fire control/support,
Government contracting,
Patrol (power, pipeline, buried cable),
Photography, Sightseeing
Helicopters: **1**-500C,**1**-300C

Royal Thai Customs
Maj Weera Ruangrit
Klongtoey Prakanong
Bangkok, Thailand

Royalaire Co.
Hector Airport
Hector, MN 55342
☎612-848-6515

Royale Helicopter Service Inc.
P.O. Box 127
Burgettstown, PA 15021
☎412-947-3366
President: Barth W. Bartholomae
Chief Pilot: John Delahanty
Operations: Air taxi/charter (US part 135), Construction, Electronic news gathering, Executive transport, Exploration, Forestry, general, Government contracting, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Sightseeing, Traffic surveillance
Helicopters: 3-206B

Royce Ebert
Box 128
Kamiah, ID 83536
☎208-935-2184

Rushmore Helicopters Inc.
P.O. Box 133
Keystone, SD 57751

Rutland Air Inc.
Route 2, Box 192
Ridge Spring, SC 29129

Ryfas Heli Service BV
Franz Van Mierislaan 23
1213 EM Hilversum, Netherlands
☎035-47635

S & S Chopper Service Inc
2998 Rodesiler Road
Deerfield, MI 49238

S.B.W. Helicopters Inc.
11 Green Way
Plaza Suite 1710
Houston, TX 77046

S.W. Jack Drilling Co.
P.O. Box 697
Indiana, PA 15701
☎412-349-9120 ☐5104685170

SAM Inc.
Twin Falls Airport
Route 2
Twin Falls, ID 83301

SANAGRI-Serivcios Aeros de Sanidade Agricolo Ltd.
Rua Serpa Pinto 20-2-DT
7000 Evora, Portugal
☎23326

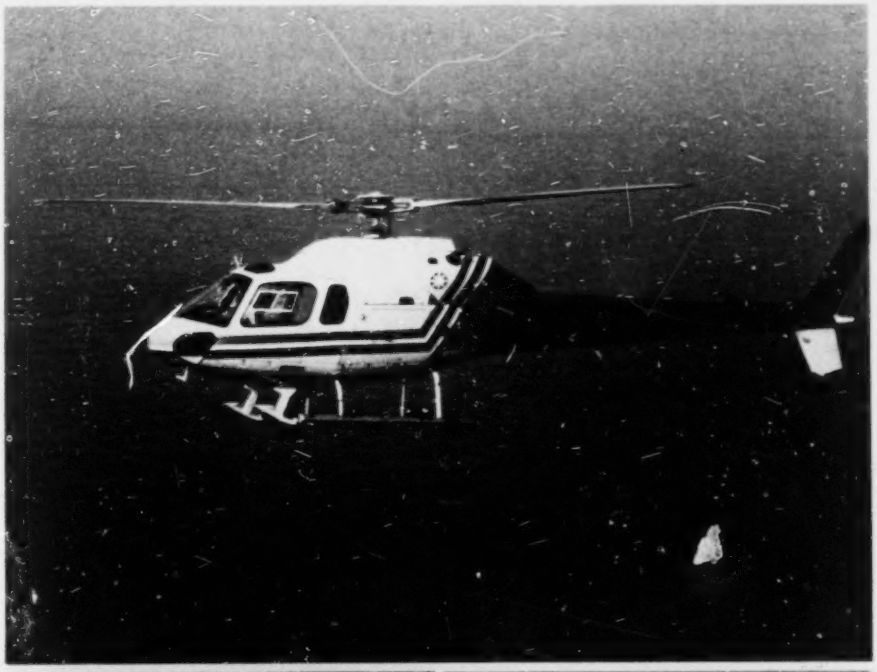
SCAC Transport International Air Service
No. 52 Aeroport
Marignane, Codex, 13728, France

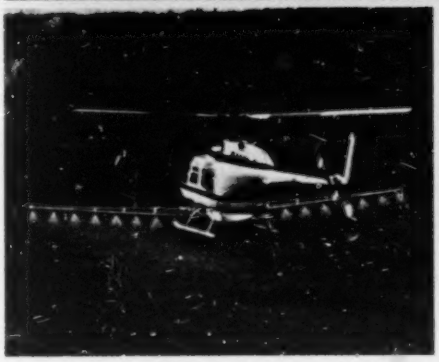
SEMA
B.P. 721
Aerodrome de Pointe Noire
Pointe Noire, Congo
☎941633 ☐8292

SFO Helicopter Airlines Inc.
Box 6789; Building L-142
Earhart Road
Oakland, CA 94603
☎415-430-8815

SICAMA
Segaert
86490 Beaumont, France
☎49-900788

SJA Aviation Inc.
Box 468
Phillipsburg, PA 16866
☎814-342-6596





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- Pollution detection
- Sightseeing
- Heli-ski
- Traffic control
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Rogers Helicopters is an FAA approved repair station, and factory authorized service facility for Aerospatiale, Bell and Hughes. With its large and varied fleet, Rogers Helicopters can meet your needs with the helicopter best suited to the task. For more information call or write:

Rogers Helicopters, Inc.

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SONANGOL
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Luanda, Angola
☎31960 □3260

SP Luftbild GmbH.
Postfach 6149
534 Bad Honnef 6, West Germany
☎02645-778

Sabah Air Private Ltd.
Locked Bag Service
Kota Kinabalu
Sabah, Malaysia
☎56068 □80073

Saber Helicopters Inc.
7th Floor
Tower Life Building
San Antonio, TX 78213

Sabine Offshore Services Inc.
P.O. Box 405
Sabine Pass, TX 77655

Sacramento County Sheriff
Building 1020
McClellan AFB, CA 95652
☎916-922-6547

Sacramento Helicopter Operations
P.O. Box 93
Carmichael, CA 95608
☎916-484-6719

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Aerial lift for stranded sheep

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Queensland, Australia

Safetycopters Inc.
Route 2
Fairbury, IL 61739

Salaika Aviation
P.O. Box 757
Danbury, TX 77534
☎409-922-8162

Salt River Project
P.O. Box 1980
Phoenix, AZ 85001
☎602-236-2479
President/CEO: J.R. McNamara
Manager, Flight Operations: William F. Hines
Operations: Corporate (US part 91, not for hire), Executive transport, External cargo, Patrol (power, pipeline, buried cable)
Helicopters: 1-206B

San Bernardino County Sheriff
1776 Miro Way
Rialto, CA 92376
☎714-822-0563

San Diego County Sheriff's Department
Aviation Division
1745 Marshall Avenue North
El Cajon, CA 92020

San Diego Helicopters
858 Lariat Drive
Eugene, OR 97401

San Diego Police Department
801 W. Market Street
San Diego, CA 92135
☎619-236-6566

San Joaquin Helicopters
P.O. Box 732
Delano, CA 93216
☎805-725-1898

San Jose Police Department
210 W. Mission Street
San Jose, CA 95110
☎408-277-4341

San Miguel Corporation
San Miguel Hangar
Domestic Airport
Pasay, Metro Manila, Philippines

San Tan Dusters
171 W. Shannon
Chandler, AZ 85224

Sander Geophysics Ltd.
303 Legget Drive
Kanata, ON, K2K 2B1, Canada
☎613-592-1301

Santa Barbara Aviation
515 Robert Marxmiller Road
Goleta, CA 93017

Santa Monica Police Department
1685 Main Street
Santa Monica, CA 90401
☎213-394-5411

Santis Heli AG
Toggenburgerstrasse 145
950 Wil, Switzerland
☎073-232347

Sarasota Air Service Inc.
Hidden River
53 Rural Route 2
Sarasota, FL 33582

Saudi Arabian Airlines
CC 907
P.O. Box 167
Jeddah, Saudi Arabia

Scenic Rotors, Inc.
P.O. Box 47
Vernon, VT 05354
☎802-257-0575

Schiavone Construction Co.
1600 Paterson Plank Road
Secaucus, NJ 07094
☎201-867-5070
Chief Pilot: C.J. Harper
Operations: Air taxi/charter (US part 135)
Helicopters: 1-206B,1-B222,1-B105

Schreiner Air Services Ltd.
63 Park Street
Port of Spain, Trinidad
☎6253426

Schreiner Airtaxi Argentine S.A.
Callao 2034 1024
Buenos Aires, Argentina
☎44-4464 □21977

Schreiner Airways B.V.
Verbeekstraat 10-12
Leiden, 2332 CA, Netherlands
☎071-319319 □30506
President: H.S. Jonker
Director of Marketing: C.S. Reichgeld
Director of Operations: E. van Schaik
Director Establishment: R.J. Soetens
Medical Director: A.M. Slager
Operations: Air taxi/charter (US part 135), EMS/air ambulance, Commuter air carrier (scheduled), Construction, Executive transport, Exploration, External cargo, Government contracting, Offshore, Patrol (power, pipeline, buried cable), Pilot training school, Repair station (FAA certified)
Helicopters: 2-315B,4-313B,43-316B,24-330J 9-365C,2-205A,3-300C,1-B212

Schuler Associates Inc.
115 S. Eagle Street
Marshall, MI 49068

Sea World Aviation
Box 190, Surfers Paradise
Ald 4217, Sea World Drive
Main Beach, Queensland, 4215 Australia
☎075-321976 □44593

Joseph E. Seagram & Sons, Inc.
Hangar E
Westchester County Airport
White Plains, NY 10604
☎914-761-4915
Chief Pilot: M.E. Paquette
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-109A

Sealmotive Inc.
P.O. Box 6003
Anchorage, AK 99502
☎907-243-1115 □026330
President: Al Gay
Vice President/Maintenance: Jim Quakenbush
Chief Pilot, Rotary Wing: Gary A. Wing
Operations: Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: 1-B212,3-205A,4-206B

Sealand Helicopters Ltd.
P.O. Box 5188
Saint Johns, NF, A1C 5V5, Canada
☎709-576-4911 □0163159
President: A.F. Soutar
Vice President, Operations: William L. Stephens
Operations: Air taxi/charter (US part 135), Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing
Helicopters: **1**-205A,**10**-206B,**7**-206L,**3**-350D, **1**-355F,**7**-332C

Sealand Helicopters, Inc.
P.O. Box 1327-A
Alvin, TX 77511
☎713-393-1015

Secol-Elladamello
Via Montecolmo 15
25048 Edolo (BS), Italy
☎0364-71820 □316618

Secours Aeriens Francais
Altiport de Courchevel
Courchevel, 73210, France

Secretaria de Programacion y Presupuesto
Avenue Santos Dumont, No. 252
DF, Mexico

Security Ford Tractor, Inc.
3828 Washington Boulevard
Baltimore, MD 21227
☎301-247-9600
President/CEO: James G. McManus
Vice President: John J. Torrillo
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-F28F

Security Pacific National Bank
P.O. Box 2097, Terminal Annex
Los Angeles, CA 90051
☎213-613-6023
Vice President: William M. Rahn
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206L

Selecta Aero Taxi Ltda.
Alameda Santos 1.357
30 Andar
Sao Paulo, 01419, Brazil
☎2840294 □1123084
Managing Director: Silveira Milton Malta
Operations Technical Manager: Roberto Ebert
Administrative Manager: Arthur Bellini Neto
Operations: Air taxi/charter (US part 135), Bank paper transportation, Executive transport, External cargo, Fire control/support, Forestry, general, Government contracting, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Repair station (FAA certified), Sightseeing, Traffic surveillance, Electronic news gathering
Helicopters: **2**-350B

Seminole Spraying Service Inc.
Route 4, Box 141
Seminole, TX 79360

Sept-Iles Helicopters Ltd.
P.O. Box 844
Sept-Iles, PQ, G4R 2N9, Canada
☎418-962-2971

Service Contonal de la Protection Civile
B.P. 2155 Chemin de Stand
1233 Berne, Switzerland
☎022-572955

Servicio Aereo Litoral Ltda.
Casilla 4014
Santiago, Chile
☎02-251-2368 □240585
Managing Director: Folke Bergstrom
Operations Manager: Luis Puebla
Chief Pilot: Eduardo Arevalo
Operations: Air taxi/charter (US part 135), Bank paper transportation, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Offshore, Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing
Helicopters: **2**-365C,**1**-316B

Shade Tree Aero Inc.
P.O. Box 1105
Mena, AZ 71953

Shafter Aviation
Route 1, Box 624
Bakersfield, CA 93308

Shamrock Coal Company
P.O. Box 130
Manchester, KY 40962
☎606-598-6151
Chief Pilot: Elmer R. Barbee
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-341G

Shanair Inc.
9500 Airport Drive
Visalia, CA 93277

Shannon Executive Aviation Ltd.
E. Ramp, Shannon Airport
County Clare, Ireland
☎061-61211 □24055
Managing Director/Chief Pilot: Captain B.A. Carpenter
Operations: Air taxi/charter (US part 135), Bank paper transportation, Commuter air carrier (scheduled), Corporate (US part 91, not for hire), Executive transport, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Private owners, Repair station (CAA certified)
Helicopters: **1**-269B,**1**-222A

Sharkey's Helicrafts Inc.
P.O. Box 471
W. Lebanon, NH 03784
☎603-298-8962

Shawnee County Police Department
200 E. 7th Street
Topeka, KS 66603
☎913-295-4044

Shearer Sprayers
Route 1, Box 71-B
The Dalles, OR 97058
☎503-296-5784

Shearson Equipment Management Corporation
521 Fifth Avenue, Suite 1401
New York, NY 10175
☎212-557-2525

Shelby County Sheriff's Department
P.O. Box 1095
Columbiana, AL 35007

Shell Aircraft, Ltd.
Shell Centre
London, SE1 7NA, England
☎019344366 □919651
Managing Director: C.R. Moss
Operations: Corporate (US part 91, not for hire), Executive transport, Offshore
Helicopters: **4**-S61N

Shell Offshore, Inc.
One Shell Square
P.O. Box 61933
New Orleans, LA 70161
☎504-588-4591 □584223
Aviation Supervisor: Jerry E. Whitman
Senior Transportation Representative: Phil DeWoody
Operations: Offshore

Shell Oil Company
P.O. Box 60828
Houston, TX 77205
☎713-443-3881 □762248
Manager, Corporate Aviation: David L. Pease
Transportation Rep./Contract Flight Ops.: W.W. Stiles
Transportation Rep./Contract Flight Ops.: W.W. Diamond
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206L

Shelton Ranches Inc.
P.O. Box 1107
Kerrville, TX 78028
☎512-896-8282

Shikoku Air Service Co. Ltd.
1-5, Bancho, 1-chome
Takamatsu-shi
Kagawa, 760, Japan
☎0878-517500

Shin-Nihon Helicopter Co. Ltd.
3-6, Ginza
4-chome, Chuo-ku
Tokyo, 104, Japan
☎03-5673206 □2524796

Shy Flyers Inc.
9231 N. Corral Lane
Castle Rock, CO 80104

Signal Engineered Products Group
Allard Drive
Manchester, NH 03103
☎603-627-4338
President: Paul Montrone
Aviation Department Manager: Gary R. Fitch
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **1**-A109,**1**-S76A

Siller Bros., Inc. Aviation Division
1250 Smith Road
Yuba City, CA 95991
☎916-674-9460
Operations Manager: Neal Siller
Chief Pilot: Scott A. Baker
Chief of Maintainence: Phillip W. Ramirez
Operations: Construction, Exploration, External cargo, Forestry, general, Government contracting, Logging
Helicopters: **1**-206B,**1**-500D,**2**-S64E,**1**-S61V, **4**-SL12,**1**-SL47,**1**-S61N

Silver State Helicopter, Inc.
P.O. Box 631
Las Vegas, NV 89101
☎702-648-4949

Simplex Time Recorder, Co.
Simplex Plaza
Gardner, MA 01441
☎617-632-2500
Chief Pilot: Philip M. Taylor
Operations: Corporate (U.S. part 91, not for hire)
Helicopters: 1-206L

Simpson Aviation Inc.
20803 Stuebner Airline 14
Spring, TX 77379

Sirocco Aviation Corp.
Linden Airport
Linden, NJ 07036

Skogsflyg/Cassel Aero AB
Box 6
890 31 Arnasvall, Sweden
☎0060-67040 □6066

Sky 5 Inc.
P.O. Box 12000
Raleigh, NC 27605

Sky AG Services Inc.
P.O. Box 516
Tracy, CA 95376

Sky Copters Inc.
Rural Route 1, Box 23
Ulysses, KS 67880

Sky Flite Inc.
Hangar 25
Tulsa International Airport
Tulsa, OK 74105

Sky Lark Helicopters, Inc.
6540 Tamiami Canal Road
Miami, FL 33126
☎305-377-3344

Sky Surveyor Inc.
11641 Mosteller Road
Cincinnati, CH 45241

Skycopters
7832 N. Clybourn Avenue
Sun Valley, CA 91352

Skyflite Inc.
P.O. Box 51368
Tulsa, OK 74151

Skyhawk Helicopter Service Inc.
P.O. Box 122
Minersville, UT 84752

Skyline Crane Service Inc.
313 Lilac Lane
Las Vegas, NV 89107

Skyline Helicopters
Route 2, Box 140
Hoquiam, WA 98550

Skyline Industries, Inc.
P.O. Box 82
Fort Worth, TX 76101
☎817-624-4991 □9108935021

Skyline International Aviation
14 Atlantos-Faliro
Athens, Greece
☎982-4984

Skyrider Aviation Inc.
404 Flight Line
Laredo, TX 78041
☎512-723-2139

Skytel Helicopters Inc.
2100 W. Commercial Boulevard
Fort Lauderdale, FL 33310

Skyway Air Services Ltd.
Flight Training
5385 216th Street
Langley, BC, V3A 4R1, Canada
☎604-534-3545

Skyway Helicopters Inc.
Davenport Municipal Airport
Davenport, IA 52804

Sleigh/Schreiner-KLM Helicopters
Terminal Building
Essendon Airport
Melbourne, Victoria, 3041,
Australia
☎03-3798929 □33015

Sloane Helicopters, Ltd.
4 Ovington Mews
London, SW3, England
☎01-584-4461 □8814924

Smith Helicopters Inc.
Route 1, Box 10
McCoy, TX 78053

Snake River Helicopters Inc.
P.O. Box 460
Lind, WA 99341

Snohomish County Sheriff
Snohomish County Court House
Everett, WA 98201
☎206-259-9393

Soderala Flyg AB
Hallandsvagen 11
82 600 Sooderhamn, Sweden
☎0270-45441 □47127

Soloy Helicopters
P.O. Box 2095
Palmer, AK 99645
☎907-376-3444

Sonoma County Sheriff's Office Helicopter Unit
600 Administration Drive
Santa Rosa, CA 95401
☎707-527-9595
Commander: Lieutenant Rick Oliver
Operations Manager: Sergeant Dave Nagle
Chief Pilot: Gary E. Lott
Pilot: Tom McConnel
Operations: EMS/air ambulance, External cargo,
Fire control/support,
Government agency (not for hire),
Law enforcement (not for hire)
Helicopters: 1-206B

Sony Corporation of America
Hangar 111
Charles Lindbergh Drive
Teterboro, NJ 07608
☎201-288-5021

Sotramat Aviation NV
Antwerp Airport
B-2100 Deurne, Belgium
☎03-2187720 □34662

South Carolina Helicopters
Box 636
Saluda, SC 29138
☎803-445-8126

South Coast Inc.
P.O. Box 8620
Ketchikan, AK 99901

South E. Whirly Birds Inc.
145 Thurton Drive
New Canaan, CT 06840

South Texas Helicopter Service
Box 325
Brackettville, TX 78832

South Sea Helicopters, Inc.
P.O. Box 1445
Lihue, HI 96766
☎808-245-7781
President: Paul D. Asmus
Vice President: Geraldine Asmus
Operations Manager: JoAnn Hamilton
Chief Pilot: Arthur Bradbury
Operations: Air taxi/charter (US part 135),
Executive transport, External cargo,
Forestry, general, Government contracting,
Photography, Sightseeing
Helicopters: 2-206B

South West Helicopters, Ltd.
P.O. Box 370
Taupo, New Zealand
☎87044 □2863

Southeast Mississippi Air
Ambulance District
300 S. 28th Avenue
Hattiesburg, MS 39401

Southern Aero Corporation
P.O. Box 1088
Blackwell Airport
Ozark, AL 36361
☎205-774-2529
Bob Ward
Operations: Repair station (FAA certified)
Helicopters: 2-205B,1-B212,6-UH1B,1-204B

Southern Air Ltd.
The Flight Centre Shoreham Apt.
Shoreham-by-Sea
Sussex, BN4 5FF, England
☎07917-61661 □877246

Southern California Edison Co.
7000 Merrill Avenue
Chino Airport Box 33
Chino, CA 91710
☎714-597-1881
President: Howard Allen
Operations Manager: Robert C. McGuire
Chief Pilot: Robert D. Cloud
Chief of Maintenance: Gorden Hodges
Operations: Construction,
Corporate (US part 91, not for hire),
Executive transport, Exploration, External cargo,
Offshore, Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring
Helicopters: 2-500C,1-500D,2-350D,1-500E

Southern Company Services, Incorporated
3927 Clairmont Road
Chamblee, GA 30341
☎404-457-5987
Senior Helicopter Pilot: John W. Tinnin
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-206L

Southern Gulf Helicopter Service
P.O. Box 255
Maurice, LA 70555
☎318-232-8120

Southern Gulf Helicopters Inc.
400 FM 1960 West
Suite 211
Houston, TX 77090

Southern Helicopters Inc.
P.O. Box 15279
Baton Rouge, LA 70895
☎504-926-8537

Southern Helicopters Inc.
P.O. Box 509
Ozark, AL 36361

Southern Helicopters Inc.
P.O. Box 15279
9680 S. Choctaw Road
Baton Rouge, LA 70895

Southern Helicopters Ltd.
Division Southern Aviation Ltd.
Box 198, Gore Airport
Gore, Southland, New Zealand
☎7854

Southern Wings Inc.
Hangar 18
Wiley Post Airport
Bethany, OK 73008

Southland Helicopters Inc.
3205 Lakewood Boulevard
Long Beach, CA 90808

Southwest Flying Service
Rural Route 1
Nodaway, IA 50857
☎712-826-7262

Southwest Helicopters, Inc.
P.C. Box 46
Tucson International Airport
Tuscon, AZ 85702
☎602-623-4232

Southwest Skyways Inc.
25321 Bellanca Way
Torrance Airport
Torrance, CA 90505

Southwind Helicopters Inc.
P.O. Box 91050
Lafayette, LA 70509

Southwind Helicopters Inc.
P.O. Box 2030
Sandpoint, ID 83864

Spectrum Helicopter Inc.
Linden Place, Hangar 2
Flushing Airport
Flushing, NY 11356

Spokane Helicopter Service
1343 Southwest Orchard
Gresham, OR 97030

Spruce Mountain Helicopters
Rural Delivery 2
Box 114
Patton, PA 16668

Sri Kinabalu SDN BHD
Room A1203, 12A Floor
Wisma Lim Foo Yong
Kuala Lumpur, Malaysia

Saint Bernard Parish Sheriff
4521 E. Saint Bernard Highway
Meraux, LA 70075
☎504-271-2501

St. Louis County Police Department
18200 Edison Avenue
Chesterfield, MO 63017
☎314-532-2984

St. Louis Helicopter Airways, Inc.
P.O. Box 809
Chesterfield, MO 63017-8809
☎314-532-1177
President: John R. Murphy
Operations: Air taxi/charter (US part 135), Bank paper transportation, Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Government contracting, Patrol (power, pipeline, buried cable), Photography, Pollution detection/monitoring, Repair station (FAA certified), Traffic surveillance
Helicopters: **4**-S58,**2**-206L,**1**-BO105,**1**-350D

St. Maries Helicopter Service
Route 4
Saint Maries, ID 83861

St. Tammany Parish Sheriff
2045 Second Street
Slidell, LA 70458
☎504-643-2121

Standard Oil Company of Indiana
5901 S. Center Avenue
Chicago, IL 60638
☎312-856-6667 □9102210111
Chief Pilot: A.B. Lane
Chief Pilot: Tom Jacques
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-355E,**1**-206B

Star Aviation
P.O. Box 2802
Orlando, FL 32802

Star Aviation
14 West Smithfield
London, EC1A 9JN, England
☎01-928-2441 □883291

State of Alaska
Department of Public Safety
4353 Aircraft Drive
Anchorage, AK 99502
☎907-243-1596

State of New York Aviation
Albany County Airport
Albany, NY 12211
☎518-457-1200
Director of Aviation: Vincent E. O'Brien
Operations: Government agency (not for hire), Executive transport, Fire control/support, External cargo, EMS/air ambulance, Pollution detection/monitoring, Forestry, general
Helicopters: **1**-204B,**1**-B212,**1**-S76A

Statflight
801 S.W. Second Avenue
Gainsville, FL 32602
☎904-373-2232

Sainte Georges Monntagnat
B.P. 166
Noumea, New Caledonia
☎274243 □018

Sainte Kaaf Agro Aviation
50 Rue du Faubourg-Paissonnier
Paris, 75010, France

Stephens Helicopter Service
Route 2, Box 211
Climax, GA 31734

Sterner Aero AB
P.O. Box 8302
Borlange, S-781 08, Sweden
☎243-33320 □74033
President: Bo Sterner
Vice President: Goran Edgren
Technical Manager: Claes Pettersson
Chief Pilot: Anders Hagberg
Operations: Agriculture, Air taxi/charter (US part 135), Construction, EMS/air ambulance, External cargo, Fire control/support, Forestry, general, Logging, Mechanic training school, Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Skiing
Helicopters: **5**-300C,**1**-500D,**1**-206B,**4**-205A, **2**-350B

Manufacturer's key

HAI Code	Manufacturer	HAI Code	Manufacturer	HAI Code	Manufacturer
12E4	Hiller	S61N	Sikorsky	3160	Aerospatiale
H12D	Hiller	S62	Sikorsky	318C	Aerospatiale
H12E	Hiller	S64	Sikorsky	319B	Aerospatiale
SL12	Soloy	S76A	Sikorsky	321J	Aerospatiale
UH12E	Soloy	B105	MBB	330J	Aerospatiale
R22	Robinson	B107	Boeing Vertol	330K	Aerospatiale
F28A	Enstrom	KV107	Kawasaki	330L	Aerospatiale
F28C	Enstrom	109A	Agusta	332C	Aerospatiale
F28F	Enstrom	BK117	Kawasaki	332J	Aerospatiale
WG30	Westland	BK117	MBB	332L	Aerospatiale
BV44	Boeing Vertol	204B	Bell	341G	Aerospatiale
47B	Bell	205A	Bell	350B	Aerospatiale
47D	Bell	206A	Bell	350C	Aerospatiale
47G	Bell	206B	Bell	350D	Aerospatiale
47G2	Bell	206L	Bell	355E	Aerospatiale
47G3	Bell	B212	Bell	355F	Aerospatiale
47G4	Bell	214B	Bell	360C	Aerospatiale
47G5	Bell	214ST	Bell	361	Aerospatiale
47H1	Bell	B222	Bell	365	Aerospatiale
47J	Bell	B234	Boeing Vertol	365N	Aerospatiale
47J2	Bell	269A	Hughes	B412	Bell
47J3	Bell	280C	Enstrom	500A	Hughes
47K	Bell	280F	Enstrom	500C	Hughes
BV47	Boeing Vertol	300B	Hughes	500D	Hughes
SL47	Soloy	300C	Hughes	500E	Hughes
S55T	Sikorsky	313B	Aerospatiale	1100	Fairchild
S58T	Sikorsky/California	315B	Aerospatiale	TCAT	Continental (Bell)
S61L	Sikorsky	316B	Aerospatiale	WASP	WASP

Steuart Petroleum Co.
4646 40th Street N.W.
Washington, DC 20016
☎301-994-1400
President: Guy Steuart
Chief Pilot: Art Blomgren
Chief Helicopter Pilot: Gary Effers
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-350D

Steve Wilson, Inc.
Box 305
Anthon, IA 51004
☎712-372-4721

Stevens Aviation
Box 366
Salina, KS 67401
☎913-827-4458

Stevenson Construction Co.
Box 207
Altamont, UT 84001
☎801-454-3575

Stieren Air AG Inc.
Route 1
Glenville, MN 56036

Strand Aviation Inc.
P.O. Box 166
Kalispell, MT 59901

Strongsville Police Department
18688 Royalton Road
Strongsville, OH 44136

Stuart Helicopter
393 Tequesta Drive
Tequesta, FL 33458

SuWest Airways, Inc.
5500 Lakeshore Drive
SuWest Hangar, Lakefront Airport
New Orleans, LA 70126
☎504-246-8728
President: Robert D. Sutherlin
Vice President: Jim Bell
Secretary/Treasurer: Paul T. Westervelt, Jr.
Chief Pilot: Wayne Fisher
Operations: Air taxi/charter (US part 135), Construction, Corporate (US part 91, not for hire), Electronic news gathering, Executive transport, Forestry, general, Government contracting, Law enforcement (for hire), Offshore, Patrol (power, pipeline, Buried cable), Photography, Pollution detection/monitoring, Private use, Service center (FAA approved), Sightseeing. Helicopters 3-206B

Suffolk County Police Department
Hangar 1
Long Island Airport
Ronkonaoma, NY 11779
☎516-360-4459

Sulenta Construction Co., Inc.
P.O. Box 56
Pinedale, WY 82941
☎307-267-4355

Summers Helicopter Service
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Linesville, PA 16424

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Cloverdale, VA 24077-0038
☎703-992-5500
President: Carl N. Milko
Operations Manager: James C. Carlton
Chief of Maintenance: Alan W. Sohler
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Patrol (power, pipeline, buried cable), Photography
Helicopters: 1-206B,4-H12ET

Sun Ray Helicopters Inc.
6711 N.E. 21st Road
Fort Lauderdale, FL 33308

Sunair Copters, Inc.
P.O. Box 4009
Kahului, Maui, HI 96732
☎808-871-9771

Sunbelt Flyers Inc.
Route 5, Box 690
Moultrie, GA 31768

Sunbelt Helicopters Inc.
P.O. Box 701
Mineral Wells, TX 76067

Sunbird Aviation Ltd.
9823 Auburn Road, S.E.
Calgary, AB, T2J 1C9, Canada
☎403-255-5035

Suncoast Helicopters Inc.
4111 W. Columbus Drive
Tampa, FL 33607

Sundance Helicopters, Inc.
P.O. Box 4622
Boulder, CO 80306
☎303-449-7693

Sunnyside Enterprises Inc.
P.O. Box 415
2350 E. Liberty Avenue
Vermilion, OH 44089

Sunrise Helicopters 3
1901 Avenue of the Stars
Suite 1400
Los Angeles, CA 90067

Sunset Aviation
P.O. Box 353
American Falls, ID 83211
☎208-226-5145

Sunshine Coast Helicopter Rescue Service Ltd.
c/o Big Cow, Bruce Highway
N. Nambour, Queensland, 4560, Australia
☎071-467490

Sunshine Copters
P.O. Box 1281
Circle, AK 99733
☎907-773-1219

Superior Aviation Inc.
6 Wineglass Drive
Prescott, AZ 86301

Superior Helicopter Service
409 Baylor Drive
Woodland, CA 95695

Superior Helicopters, Inc.
P.O. Box 7187
Corpus Christi, TX 78415
☎512-289-6700
President/Director of Operations: John H. Linke
Operations: Air taxi/charter (US part 135), Exploration, External cargo, Offshore, Patrol (power, pipeline, buried cable), Photography
Helicopters: 3-206B,1-206L,1-B412

Superstition Air Service Inc.
4766 Falcon Drive
Mesa, AZ 85205

Sutter County Sheriff
17077 Civic Center Boulevard
Yuba City, CA 95991
☎916-673-1253

Swedair AB
Box 14031
104 40 Stockholm, 14, Sweden
☎08-234895 ☐19615

Swing Wing, Inc.
Rural Route 2
Veerdersburg, IN 47987
☎317-294-4056

Swiss Air-Rescue
(REGA)
Dufourstr 43
Zurich, 8008, Switzerland
☎01-47-22-30 ☐815816
Chief Executive Officer: Dr. Christian Buhler
Operations Manager: Hans-Peter Kurz
Maintenance Manager: Roland Meister
Operations: EMS/air ambulance, Law enforcement (for hire), Repair station (FAA certified)
Helicopters: 10-319B,3-B105

T & H Airways
2915 Red Hill Avenue
Costa Mesa, CA 92626

TAM-Transports Aeriens Medites
Aerodrome de Cannes-Mandelieu
La Bocca, 06150 France
☎93-471137

TGR Helicopters
6831 Airway Avenue
Redding, CA 96002

TLI Charters, Inc.
15 Bergen Turnpike
Ridgefield Park, NJ 07660
☎212-392-0121

TRIAD America International
3916 State Street
Santa Barbara, CA 93105
☎805-687-4882 ☐757-074
Pilot: James H. Frye
Operations: Corporate (U.S. part 91, not for hire).
Helicopters: 1-500E

TWT Exploration
P.O. Box 1329
Park City, UT 84010
☎801-649-8312

Table Rock Helicopters Inc.
P.O. Box 101
Branson, MO 65616

Tagum Agricultural Development Corporation
Second Floor Madrigal Building
Makati, Metro Manila, Philippines

Taiyo Aviation
760, Kondo
Tatebayashi-shi, Gumma 374, Japan
☎02767-30181

Tamarac Helicopter Corp.
P.O. Box 297
Evansville, MN 56326

Tamiami Helicopters Inc.
P.O. Box 161754
Miami, FL 33116

Tampa Police Department
1710 N. Tampa Street
Tampa, FL 33602
☎813-223-8521

Tarnutzer-Hamilton Airways
2915 Red Hill Avenue, F-200
Costa Mesa, CA 92626
☎714-557-2792

Teck Explorations Ltd.
Suite 7000, First Canadian Place
P.O. Box 170
Toronto, ON, M5X 1G9, Canada
☎416-862-7102

Tel AG Service
Route 1, Box 602A
Cottonport, LA 71327

Telles Ranch, Inc.
P.O. Box 35
Firebaugh, CA 93622
☎209-659-2036
President/Owner: Dick Telles
Chief Helicopter Pilot: V. Nechvatal
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-206B

Telluride Helitrax
P.O. Box 1560
Telluride, CO 81435

Telstar Transports, Inc.
P.O. Drawer 370
Lancaster, TX 75146
☎214-227-7878

Temsco Helicopters Inc.
P.O. Box 5057
Ketchikan, AK 99901
☎907-225-5141 □09955204
President: Kenneth C. Eichner
Operations Manager: Charles W. Gale
Chief Pilot: George O. Chipman
Chief of Maintenance: William Hornbaker
Operations: Air taxi/charter (US part 135), Construction, Corporate (US part 91, not for hire), EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Logging, Offshore, Patrol (power, pipeline, buried cable), Repair station (FAA certified), Sightseeing
Helicopters: **1**-B212, **2**-350B, **24**-500D, **6**-500C, **2**-B204

Tenneco, Inc.
16951 JFK Boulevard
Houston, TX 77032
☎713-757-8107 □792839
Rotary Wing/Operations Manager: Forest L. Clough
Operations: Corporate (US part 91, not for hire), Offshore, Patrol (power, pipeline, buried cable)
Helicopters: **3**-206B, **12**-BO105

Tennessee Valley Authority
TVA Hangar
Muscle Shoals Airport
Muscle Shoals, AL 35660
☎205-386-2601

Terminal Airways Corporation
P.O. Box 35
Woodridge, NJ 07075

Terr-Air Territorial Airways
P.O. Box 688
Lac la Biche, AB, T0A 2C0, Canada
☎403-623-2140
President: Douglas MacPherson
Operations: Air carrier (US part 127), External cargo, Photography, Pilot training school
Helicopters: **4**-500D, **3**-206B

Terra Helicopters Inc.
Route 3, Box 261
McMinnville, OR 97128

Teryjohn Aviation
Route 1, Box 94A
Saint Peter, MN 56082
☎507-931-2419

Tex-Star Aviation, Inc.
Box 218529
Lakeside Airport
Houston, TX 77218
☎713-578-0907

Texas Aero Tech
7326 Aviation Place
Dallas, TX 75235

Texas Business Helicopters
811 Dessall Road
Austin, TX 78758
☎512-251-2322

Texas Department of Public Safety
P.O. Box 4087 NAS
Austin, TX 78773
☎512-465-2056

Texas Flight Service Inc.
Suite 211, Terminal Building
Fort Worth, TX 76106

Texas Gulf Helicopters
P.O. Box 568
Sabine Pass, TX 77655

Texas Helicopter Company Inc.
1336 S. Irving Heights Drive
Irving, TX 75060

Texas Helicopters, Inc.
20803 Steubner-Airline, No. 10
Spring, TX 77379
☎713-376-4346

Textron, Inc.
Textron Aircraft Department
T.F. Green Airport
Warwick, RI 02886
☎401-421-2800
Chief Executive Officer: Robert P. Straetz
President: Beverly F. Dolan
Chief Pilot: Robert M. Brunelle
Operations: Executive transport, Private owners
Helicopters: **1**-B222, **1**-206L

Thomas Helicopters Inc.
Route 1, Box 48
Gooding, ID 83330

Thompson & Green Machinery Co. Inc.
1245 Firestone Boulevard
Lavergne, TN 37086
☎615-256-2424
Chief Pilot: Gregory A. Simpson
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Executive transport
Helicopters: **2**-500D

Thomson Helicopter Inc.
1029 Plandome Road
Manhasset, NY 11030

Thomson Industries, Inc.
Channel Drive
Port Washington, NY 11050
☎516-883-8000
President: John B. Thomson, Jr.
Operations Manager: Richard L. Peck
Keith J. Fritz
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **1**-S76A, **1**-FH11

Thoroughbred Helicopter Service, Inc.
2750 Paris Pike
Lexington, KY 40511
☎606-299-7715 □213422
President: William G.B. Sims
Operations: Repair station (FAA certified)
Helicopters: **1**-269A, **1**-369HS

Three Rivers Flying Service
P.O. Box 612
San Angelo, TX 76902

Thunderbird Helicopters Inc.
Box 396
Escalon, CA 95320
☎209-838-1539

Thunderbird Helicopters, Inc.
P.O. Box 3408
Stateline, NV 89449
B702-588-3102

Thunderbird Helicopters, Inc.
P.O. Box 520
Montrose, C0 81402
☎303-249-8696

Tigerair Inc.
3000 N. Clybourn Avenue
Burbank, CA 91505
☎213-843-8311

Tiller Helicopter Service, Inc.
Route 1, Box 300A
Alice, TX 78332
☎512-664-6453
President: W.J. Tiller
Operations: Agriculture, Air taxi/charter (US part 135), Bank paper transportation, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified)
Helicopters: **3**-47G4A, **2**-47G5, **1**-SL47GB3, **1**-WASP

Tim-Air Spray Service Inc.
P.O. Box 111
Washington, IA 52353

Timberline Aviation Co., Inc.
P.O. Drawer F
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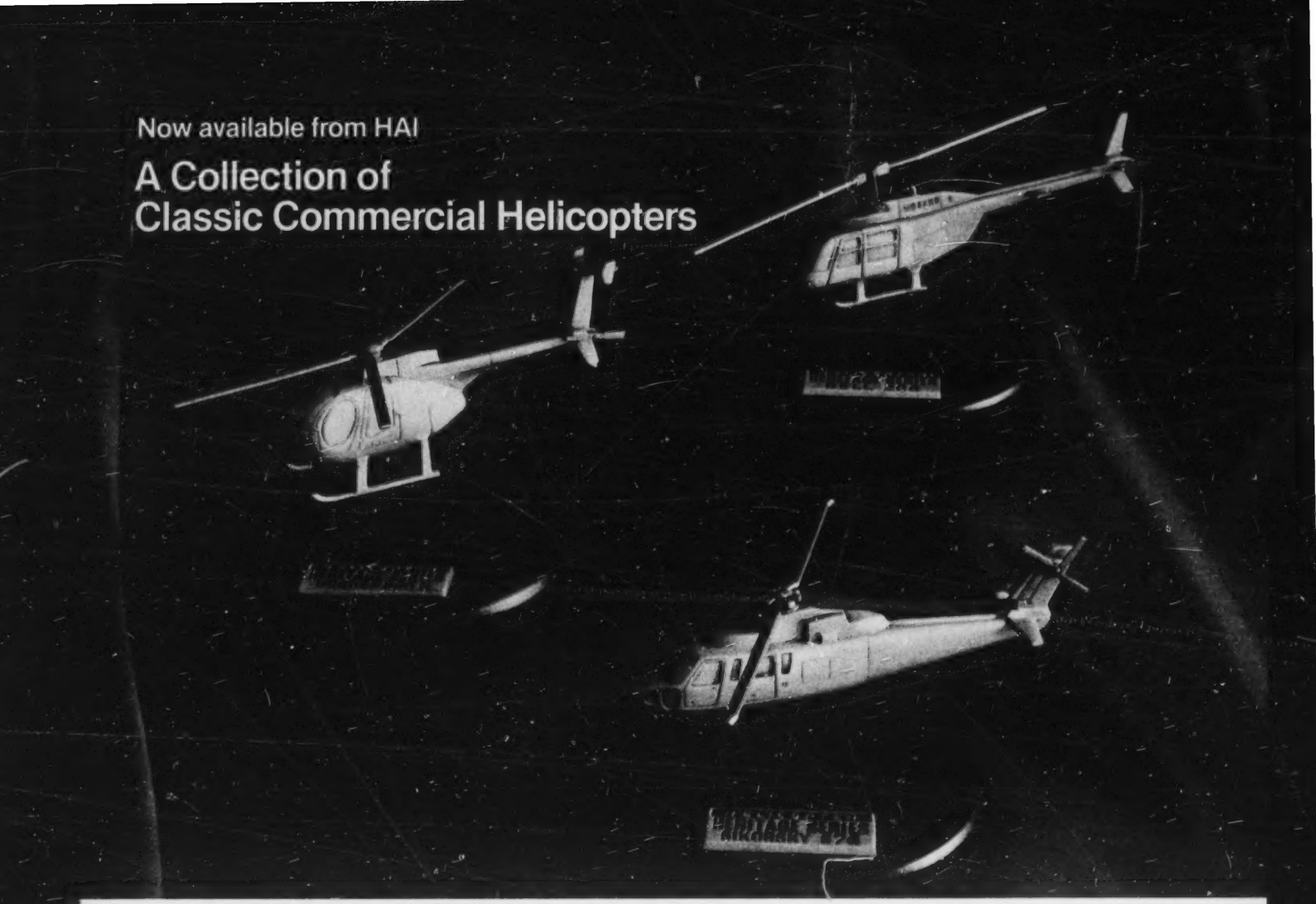

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For shipping, handling & insurance:
Within the U.S., add $3.00 per model, outside the U.S., add $4.50 for surface or $9. for airmail per model.

Name _____

Company _____

City _____ State _____ Zip _____

Business telephone _____

My total purchase is $ _____, I wish to pay by:

☐ Check or money order ☐ Visa ☐ MasterCard

Card No. _____ Expiration date _____

Signature _____

D.C. residents add 6% sales tax. HAI reserves the right to alter this program at any time.

☐ I will be interested in the following replicas, as they become available (no obligation at this time).

☐ MBB-BO105 ☐ Enstrom Shark ☐ Westland 30
☐ Agusta 109 ☐ Hiller FH1100 ☐ Robinson R22
☐ Boeing 234 ☐ Aerospatiale AStar ☐ Other _____

☐ I would like put on the Heritage Series mailing list for future model releases.

Time Choppers Ltd.
106 Walton Street
London, SW3, England
☎01-581-5071

Time Machines, Inc.
Route 1, P.O. Box 530
Maurice, LA 70505
☎318-234-5054

Timo R-Konejstus
Jukolan Kuja 4
SF-04200 Kerava, Finland
☎0-248833

Toho Air Service Co. Ltd.
11-25, Osawa
6-Chome, Mitaka-shi
Tokyo, 181, Japan
☎0422-315505

Top Flight Helicopters Inc.
Star Route Box 486
Naselle, WA 98638

Toronto Helicopters, Ltd.
Toronto-Buttonville Airport
Markham, ON, L3P 3J9, Canada
☎416-477-7203 ☐06986594

Torrance Police Department
3131 Torrance Boulevard
Torrance, CA 90503
☎213-328-3456

Totem Air Ltd.
Box 697
Grand Prairie, AB, T8V 3B1, Canada
☎403-532-7000 ☐036-7255

Townsend Agricultural Service Inc.
Box 265
Crowley, WY 82420

Toxotis Ltd.
Ilidos 3
Ambelokiti
Athens, Greece
☎01-7791642

Trade-A-Plane International
Building 92
Essendon Airport
Victoria 3041, Australia
☎03-3798585 ☐38087

Tradewinds Helicopters Ltd.
Gatwick Airport
Horley
Surrey, KT13 0SH, England
☎0293-513811 ☐87427

Tradewing Helicopter Inc.
P.O. Box 52027
LaFayette, LA 70505

Trafficopters Inc.
P.O. Box 26104
Indianapolis, IN 46246

Trans Exec Air Service, Inc.
2701 Airport Avenue
Santa Monica, CA 90405
☎213-390-9435

Trans Maritimes Helicopters
P.O. Box 115
Oromocto, NB, E2V 2G4, Canada
☎506-357-3336

Trans North Turbo Air Ltd.
Box 4338
Whitehorse, YT, Y1A 3T6, Canada
☎403-668-2177 ☐036-8-290

Trans Rotor Inc.
Route 1, Box 254A
Newcomerstown, OH 43832

Trans-Air, Inc.
1150 Airport Access
Traverse City, MI 49684
☎616-941-0150

Trans-Alaska Helicopters, Inc.
P.O. Box 3698
Anchorage, AK 99501
☎907-274-7762 ☐25236
President: Richard C. Sweezey
Vice President: Don M. Ward
Chief Pilot: Herb Downs
Chief Mechanic: Phil Waters
Operations: Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Logging, Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Skiing
Helicopters: **6**-206B,**1**-206L,**1**-205A

Trans-Canada Helicopters Ltd.
1215 Montee Pilon
Les Cedres, PQ, J0P 1L0, Canada
☎514-637-5524

Transco Energy Company
P.O. Box 60974
Houston, TX 77205
☎713-439-4236
President: W.J. Bowen
Operations Manager: Von A. Campbell
Chief Helicopter Pilot: Bennie J. Shields
Maintenance Manager: Bobby J. Ritchey
Operations: Corporate (US part 91, not for hire), Offshore
Helicopters: **3**-206B,**20**-355F

Transport Canada
Flight Services Branch
58 Service Road
Ottawa, ON, K1V 9B2, Canada
☎613-998-3146

Transportes Aero Pegaso
1395 Calzada de la Viga
DF, Mexico
☎532-5600

Transrapid Helitur
Kabatas Setustu
9 Vasfiya Airport 1
Istanbul, Turkey
☎451685 ☐24137

Transwestern Helicopters, Inc.
P.O. Box R
Scappoose, OR 97056
☎503-226-4731 ☐151405
President: E.K. Johnson
Operations Manager: J.C. Helm
Chief Pilot: R.J. Edwards
Purchasing: D.W. Swofford
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Electronic news gathering, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Pollution detection/monitoring, Repair station (FAA certified), Sightseeing
Helicopters: **5**-206B,**2**-500D,**1**-500C,**1**-300C, **1**-214B

Travenol Laboratories, Inc.
Helicopter Department
P.O. Box 678
Carolina, 00630, Puerto Rico
☎809-762-0050 ☐3455098
Vice President/General Manager: James H. Taylor
Manager, Flight Operations: Eugene Higgins
Pilot/Supervisor Helicopter Department: Freddie Cortes
Operations: Corporate (US part 91, not for hire), Executive transport
Helicopters: **1**-BO105

Trent Air Ltd.
P.O. Box 446, Rural Route 5
Peterborough, ON, K9J 6Z3, Canada
☎705-745-0451

Trent Air Services Ltd.
Cranfield Airfield
Cranfield
Bedford, MK43 0AL, England
☎0234-751243 ☐826178

Tri Aviation
Gal. Heliport
P.O. Box 145
Belle Vernon, PA 15012

Tri County Copters
11720 Leurel del Avenue
Monte Rio, CA 95462
☎707-527-2927

Tri-Western Helicopter Corp.
Cassidy Post Office
Cassidy, BC, V0R 1H0, Canada
☎604-245-7161

Tri City Helicopters Inc.
Star Route
Mesa, WA 99343

Tri State Helicopter Inc.
Route 1
Donalsonville, GA 31745

Triad Helicopters, Inc.
P.O. Box 5071
Winston-Salem, NC 27103
☎919-767-4057
President: Jack Glabman
Executive Vice President: Thomas J. Haroski
Director of Maintenance: Curtis H. Blackwell
Operations: Air taxi/charter (US part 135), Electronic news gathering, Executive transport, Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Traffic surveillance
Helicopters: **2**-206B,**1**-369D,**1**-269C,**1**-206L

Triangle Copter Service Inc.
Box 9151
Wichita, KS 67277

Trinity Jet, Inc.
Morristown Airport
Morristown, NJ 07960
☎201-993-8788

Tropical Airways, Inc.
Andrews Avenue
Nichols Field
Pasay City, Philippines
☎831-5580 ☐72222419

Tropical Helicopter Airways, Inc.
950 MacArthur Causeway
Miami, FL 33132
☎305-374-6055
Chairman: William Ter Keurst
President: Reed Phillips
Vice President: William Ter Keurst, Jr.
Operations: Air taxi/charter (US part 135), Bank paper transportation, Commuter air carrier (scheduled), Construction, Executive transport, External cargo, Electronic news gathering, Government contracting, Law enforcement (not for hire), Patrol (power, pipeline, buried cable), Photography, Pilot training school, Sightseeing, Traffic surveillance
Helicopters: **1**-206L, **1**-206B, **1**-500D

Tucson Pima County
Department of Emergency
131 W. Congress Street
Tucson, AZ 85701

Tucson Police Department
Air Support Unit
6666 S. Plummer Street
Tucson, AZ 85706
☎602-791-4142
Pilot: Douglas Russell
Operations: Law enforcement (for hire)
Helicopters: **2**-206B

Helicopter Operators...
VITAL & VERSATILE

Oil exploration in the jungles of New Guinea

A Boeing Vertol 107 provides transport services to an area accessible only by helicopter. Rig, support equipment, supplies, and personnel were flown to the site in Papua New Guinea's southern highlands.

Columbia Helicopters, Inc.
Portland, Oregon

Tundra Copters, Inc.
P.O. Box 60670
Fairbanks, AK 99706
☎907-452-5429 □09035464
President: Paul R. Briles
General Manager: Craig V. Fielding
Chief Pilot: Thomas L. Smith
Christopher Farmer
Operations: Agriculture, Air taxi/charter (US part 135), Construction, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Repair station (FAA certified), Sightseeing, Skiing
Helicopters: **5**-500D, **4**-206B, **1**-206L

Tunisavia
Immeuble Saadi
Tour C, SPRIC
2080 L-Ariana, Tunisia
☎231155 □13121

Tuolumme County Sheriff
28 N. Lower Sunset
Sonora, CA 95370
☎209-533-5855

Turbine Conversions, Ltd.
Aviation Division
P.O. Box 25-273
Auckland 5, New Zealand
☎581-838 □2901

Turistflyg 1 Aerjeplog AB
Bergsgatan 18
Hamnplan
930 90 Arjeplog, Sweden
☎0691-01440

Turner Copter Service Inc.
P.O. Box 67
Elliott, IA 51532

Twinn Pone Sales & Service
14 N. Main Street
Pennington, NJ 08534

U.S. Border Patrol
P.O. Box 1
Marfa, TX 79843
☎915-729-4354

U.S. Border Patrol
P.O. Box 10078
El Paso, TX 79991
☎915-541-7874

U.S. Border Patrol
P.O. Box 42-E
San Ysudri, CA 92073
☎619-293-6353

U.S. Border Patrol
4367 N. Motel Drive
Fresno, CA 93711
☎209-257-0838

U.S. Border Patrol
1111 N. Imperial Avenue
El Centro, CA 92243
☎619-352-3241

U.S. Border Patrol
1649 Athens Avenue
Yuma, AZ 85364
☎602-783-8316

U.S. Coast Guard
Coast Guard Air Station
Opa Locka, FL 33054
☎305-681-3591

U.S. Customs Service
P.O. Box 1509
Tomball, TX 77375
☎713-370-6684

U.S. Customs Service
P.O. Box 8073
El Paso, TX 79923
☎915-541-7852

U.S. Customs Service
Kelley Air Force Base
Building 1428
San Antonio, TX 78241
☎512-229-5610

U.S. Customs Service
Hangar 807
NETPDC
Pensacola, FL 32509

U.S. Customs Service
P.O. Box 13 NAS NI
San Diego, CA 92135
☎619-293-5616

U.S. Fish & Wildlife
600 E. Monroe
Suite R-105
Springfield, IL 62701
☎217-495-4460

U.S. Fish & Wildlife Service
7427 Hickory Lane
Hanover, MD 21076
☎301-760-1248

U.S. Fish & Wildlife Service
Law Enforcement Division
P.O. Box 913
Nome, AK 99762
☎907-443-2479

U.S. Helicopters Inc.
P.O. Box 628
Marshville, NC 28103

U.S. Jet Aviation
General Aviation Terminal
Washington National Airport
Washington, D.C. 20001
☎703-892-6200
President: William J. McKenna, Jr.
Vice President: Troy Mashburn
Director of Rotor Craft Operations: Richard T. Chittick
Director of EMF Operations: Duane Futch
Operations: Air taxi/charter (US part 135), Corporate (US part 91, not for hire), Electronic news gathering, EMS/air ambulance, Executive transport, Government contracting, Photography, Pilot training school, Private owners, Repair station/FAA certified, Sightseeing
Helicopters: **3**-BK117, **1**-350D

U.S. National Park Service
P.O. Box 675
Manteo, NC 27954
☎919-473-2114

U.T. LIFESTAR, Aeromedical Services
University of Tennessee
Memorial Research Center & Hospital
Drawer 81
1924 Alcoa Highway
Knoxville, TN 37920
☎615-544-9112
Director, Aeromedical Services: Dr. Robert F. Lash
Chief Pilot: Dan E. Norman
Operations: EMS/air ambulance.
Helicopters: **1**-B222

UCLA Medical Center
Medstar Unit
10833 LeCont Avenue
Los Angeles, CA 90024
☎213-825-4004

UP Aviation
Aeroport de Toussus le Noble
Chateau Fort, 78117, France

Ueding Fying Service
P.O. Box 234
Vincennes, IN 47591
☎812-882-7830

Uncompagre Helicopters Inc.
P.O. Box 1847
Duray, CO 81427

Uni Air
BP 25
31700 Blagnac, France
☎61-710159 □520636

Uni-Fly
Tordengardesvej 4
5700 Svendborg, Denmark
☎09-213144

Unifly
Aeroporto Urbe
Rome, Italy
☎8128239 □613342

Union Helicopters Ltd.
4187 104th Street
Delta, BC, V4K 3N3, Canada
☎604-591-5105

United Helicopters, Inc.
Box 528
Oroville, CA 95965
☎916-533-5871

United Pilots A/S
Copenhagen Airport
4000 Roskilde, Denmark
☎02-390888 □43237

United States Park Police Aviation Section
1100 Ohio Drive, S.W.
Washington, DC 20242
☎202-426-6969

United States Steel Corporation Aircraft Division
Greater Pittsburgh International Airport
Pittsburgh, PA 15231-0345
☎412-433-4833
General Manager: Albert Jones
Chief Helicopter Pilot: Edward J. Grabski
Manager/Maintenance: Robert R. Morris
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-109A

United Telephone Company of the Northwest
601 State Street
Hood River, OR 97031
☎503-386-0374
Chief Helicopter Pilot/Mechanic:
Ronald W. Wilkins
Operations: Corporate (US part 91, not for hire)
Helicopters: 1-206L

Universal Helicopters Newfoundland Limited
Gander International Airport
Gander, NF, A1V 1W7, Canada
☎709-256-3068

Universal Helicopters
P.O. Box 20814
Reno, NV 89510
☎702-323-3408

Universal Helicopters
P.O. Box 20814
Reno, NV 89510
☎702-323-3408

Upali Travels Limited
223, Bloemendhal Road
Colombo, 13, Sri Lanka
☎28826/29399 □21198
Executive Director: Captain Mani Seneviratne
Chief Engineer: Hugh Dassanayake
Chief Pilot: Captain C.F. Marambe
Operations: Air carrier (US part 127),
Air taxi/charter (US part 135),
Bank paper transportation,
Commuter air carrier (scheduled),
Corporate (US part 91, not for hire),
EMS/air ambulance, Executive transport,
Fire control/support, Forestry, general,
Government contracting,
Law enforcement (for hire), Offshore,
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Private owners, Sightseeing, Traffic surveillance
Helicopters: 1-206L

Upton Air Services, Inc.
P.O. Box 96
Broussard, LA 70518

Uranio Mexicana
Adguisiciones y Servicios
Insurgentes Sur, No. 1070
DF, Mexico
☎905/563-7280

Utilities Services of America
Executive Plaza Two
4651 Sheridan Street, No. 325
Hollywood, FL 33021
☎305-981-1188 □522355

Utility Helicopters Ltd.
Private Bag
Nelson Airport
Nelson, New Zealand
☎79816

V.C. Helicopters S.A.
Steenweg Naar Pepingen 250
Sint-Pieters-Leeuw, 1600, Belgium
☎02-356-2985 □26282
President: Luc Van Cauwelaert
Chief Pilot: Charles de Lannoy
Engineer: Celeste Van Leemputten
Operations: External cargo,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school
Helicopters: 1-500D,1-R22H

VIP Helicopters
2009 Highway 59
Gillette, WY 80716
☎307-686-1600

Valicopters Inc.
P.O. Box 266
Buena, WA 98921

Valley Air Inc.
P.O. Box 326
Highland, KS 66035

Valley Aviation
Route 1
Orofino, ID 83544
☎203-476-4323

Valley Helicopter Service
P.O. Box 54
Clarkston, WA 99403
☎509-243-4444

Valley Helicopters
Box 99
Linden, CA 95326
☎209-931-2411

Valley Sprayer & Duster Service
P.O. Box 1837
Sun City, AZ 85351

Van Wechel Farms, Inc.
Rural Route 1
Vinton, IA 52349
☎319-472-2909

Vancouver Island Helicopters Ltd.
No. 1 - 9600 Canora Road
Sidney, BC, V8L 4R1, Canada
☎604-656-3987
President: Alfred Stringer
Operations Manager/Chief Pilot:
Donald Honeyman
Chief Engineer: Barry Hewko
Operations: Construction, EMS/air ambulance,
Executive transport, Exploration, External cargo,
Fire control/support, Forestry, general,
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (CAA certified)
Helicopters: 8-206B,5-206L,1-500D,2-204B

Venison Traders Ltd.
507 Lake Road
Takapuna
Auckland, New Zealand
☎32476

Helicopter Operators...
VITAL & VERSATILE

An 800 nautical mile round trip . . . all in a days work for ARCO

Extended Range Boeing Vertol 234's provide transportation from Nome, Alaska to a drilling platform 400 nautical miles offshore. During the six month operation two ARCO BV 234's flew a total of 88 flights, moving 1,554 passengers and 71,815 pounds of cargo.

Atlantic Richfield Company Nome, Alaska

Ventura County
Fire Protection District
275 E. Pleasant Valley Road
Camarillo, CA 93010

Veritair Ltd.
The Main Terminal Building
Cardiff-Wales Airport, Cardiff
S. Glamorgan, England
☎0446-711280

Vernon Helicopters Ltd.
Site 2, Comp. 1
Rural Route 4
Vernon, BC, V1T 6L7, Canada
☎604-542-6000
President: Dick Biggs
Chief Engineer: Mike Poole
Operations: Construction, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing
Helicopters: **2**-206B,**1**-206L

Verreault Helicopters Inc.
C.P. 220
Gatineau, PQ, J8P 6J2, Canada
☎819-643-9499

Versatile Air Services Limited
P.O. Box 130
N. Sydney, NS, B2A 3M2, Canada
☎902-794-8575 □019-23591

Versatile Helicopters, Inc.
Box 1433
Ardmore, OK 73401
☎405-223-1285

Verticare
P.O. Box 5127
Salinas, CA 93915
☎408-422-0685
President: James T. Cheatham
Operations Manager: Roger A. Stuart
Chief Pilot: Sean Tucker
Maintenance Director: Steve Eggleston
Operations: Agriculture, Air taxi/charter (US part 135), Construction, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Patrol (power, pipeline, buried cable), Photography, Sightseeing, Skiing
Helicopters: **2**-UHIB,**1**-500D,**3**-UH12,**1**-206L

Vertiflite Air Service Inc.
Route 2, Mount Tabor Road
Maryville, TN 37801

Vicksburg Police Department
721 Clay Street
Vicksburg, MS 39180
☎601-636-2511

Victoria Police Air Wing
Terminal Building
Essendon Airport, Melbourne
Victoria, 3081, Australia
☎03-667-1721

View Top Corporation
Westchester County Airport
White Plains, NY 10604
☎914-428-8780
Chief Pilot: Russell Swanson
Chief Helicopter Pilot: W. Ward Gill
Chief of Maintenance: Robert Manson
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-109A

Viking Helicopters Ltd.
400 Cite des Jeunes Boulevard
Saint Clet, PQ, J0P 1S0, Canada
☎514-455-5687 □0525196
President: Claude Provost
General Manager: G. Delaney
Chief Pilot: L. Meslin
Operations: Construction, Corporate (US part 91, not for hire), EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Logging, Patrol (power, pipeline, buried cable), Photography, Skiing
Helicopters: **50**-500D,**10**-500C,**3**-B212, **2**-315B,**6**-206B,**2**-206L

Villa Banfi
1111 Cedar Swamp Road
Old Brookville, NY 11545
☎516-626-9200 □127379
Chairman of the Board: John Mariani
President: Harry Mariani
Chief Pilot: Walton Marshall
Operations: Corporate (US part 91, not for hire)
Helicopters: **1**-350B

Virgin Island Air Service
4355 W. Tropicana Avenue
Suite B
Las Vegas, NV 89103
☎702-871-9147 □183291

Virginia Beach Police Department
Helicopter Unit
Virginia Beach, VA 23456
☎804-427-4358

Virginia State Police
P.O. Box 978
Salem, VA 24153
☎703-389-5452

Visco Flying Co. Inc.
P.O. Box 68
Imperial, CA 92251

Vivian Ann Fishing, Inc.
1565 Evergreen
San Diego, CA 92106
☎714-462-0110

Volusia County Sheriff
P.O. Box 569
Deland, FL 32720
☎904-736-2700

Voss International Corporation
Box 20330
Long Beach, CA 90801
☎213-830-3410

Votec
Avenida Franklin Roosevelt, 115-120
Rio de Janeiro, 20021, Brazil
☎021-262-6611 □21664
President: Tor Kameyama
Technical Director: Alexandre Silva
Commercial Director: Paulo Macedo
Operations: Agriculture, Air taxi/charter (US part 135), Offshore
Helicopters: **4**-S61N,**4**-S58T,**8**-S76A,**9**-500D, **12**-500C

MAINTAIN THE WATCH . . .
in Washington by
joining HAI.
Helicopter Association International

Vowell Air Services (Helicopters) Pty. Ltd.
Stuart Road
Tyabb, Victoria, 3913, Australia
☎059-77-4506 □AA35638
Chief Executive Officer: W.J. English
Operations Manager: N.L. Hornsby
Chief Pilot: V.G. Barkell
Chief Engineer: K.G. Gibson
Operations: Agriculture, Air carrier (US part 127), Air taxi/charter (US part 135), Construction, Electronic news gathering, EMS/air ambulance, Executive transport, Exploration, External cargo, Fire control/support, Forestry, general, Government contracting, Herding (stock & wildlife), Law enforcement (for hire), Offshore, Patrol (power, pipeline, buried cable), Photography, Repair station (LAA certified)
Helicopters: **10**-206B,**2**-315B,**1**-350B,**3**-500C, **1**-206A,**1**-47G3B1

W.I. Clark Co.
P.O. Box 300
30 Barnes Industrial Park Road
Wallingford, CT 06492
☎203-265-6781

WBNS-TV Inc.
Video Indiana Aviation
770 Twin Rivers Drive
Columbus, OH 43215
☎614-460-3769
Chief Pilot/Helicopter: Robert T. Ault
Operations: Corporate (US part 91, not for hire), Traffic surveillance, Electronic news gathering
Helicopters: **1**-206B

WOR Radio
1440 Broadway
New York, NY 10018
☎212-764-7000
Chief Pilot: George J. Meade
Operations: Traffic surveillance
Helicopters: **1**-206B

WSVN-TV Channel 7 Sunbeam TV Corporation
1401 79th Street Causeway
Miami, FL 33141
☎305-751-6692
President: Robert Leider
Director of Operations: Maurice Johnson
Operations Manager: David Choate
Saturday News: George Mills
Operations: Corporate (US part 91, not for hire), Electronic news gathering, Traffic surveillance
Helicopters: **1**-206B

WXIA-TV Atlanta
1611 W. Peachtree Street, N.E.
Atlanta, GA 30309
☎404-892-1611

Wackenhut Services, Inc.
P.O. Box W
Aiken, SC 29801

Waggoner Aircraft Inc.
Hanger 1B, Wiley Post Airport
Bethany, OK 73008

Walkers Helicopters Service Inc.
P.O. Box 96
Baileyton, AL 35019

Wall Street Helicopters, Inc.
Wall Street Heliport
New York, NY 10004
☎212-943-5959

Walter E. Heller & Company
105 W. Adams Street
Chicago, IL 60603

Wanganui Aero Work, Ltd.
P.O. Box 509
Wanganui, New Zealand
☎53-994

Ward Helicopters, Inc.
P.O. Box 592
Vivian, LA 71082
☎318-375-5140
President: Darrel J. Ward
Operations Manager: Claude E. Willis
Chief Pilot: Jarrel D. Ward
Paul M. Concienne
Operations: Agriculture,
Air taxi/charter (US part 135),
EMS/air ambulance, Construction,
Electronic news gathering, Exploration,
External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified), Sightseeing,
Traffic surveillance
Helicopters: **1**-47G3

Warner Lambert Company
Morristown Airport
Morristown, NJ 07960
☎201-540-4901
Operations Manager: Philip G. Geib
Chief Pilot, Helicopters: Roger B. Loomis
Operations: Corporate (US part 91, not for hire)
Helicopters: **2**-S76A

Warren County Sheriff
P.O. Box 793
Vicksburg, MS 39180
☎601-636-9111

Warren Police Department
Hangar 102
Detroit City Airport
Detroit, MI 48213
☎313-921-7727

Washington Metro Police Department
Hangar 10
Washington National Airport
Washington, DC 20010
☎703-684-7646

Wayfarer Ketch Corporation
Hangar G
Westchester County Airport
White Plains, NY 10604
☎914-949-4424
Vice President: Malcolm R. Doak
Operations Manager: James A. Palmer
Chief Pilot, Rotary Wing: Ralph T. Williams
Director of Maintenance: Edward C. Abbott
Operations: Corporate (US part 91, not for hire)
Helicopters: **2**-BO105,**1**-S76A

Weathershed Aviation Inc.
Route 1, Box 140
Concrete, WA 78237

Wells' Helicopter Service
10860 Eleven Mile Road
Greenville, MI 48838
☎616-874-6255

West Coast Flying Services Inc.
Route 2, Box 36H
Blythe, CA 92225
☎619-922-0331

West Florida Helicopters Inc.
P.O. Box 488
Saint Petersburg, FL 33731

West Texas Helicopters
P.O. Box 529
Mertzon, TX 76941
☎915-344-2129

West Wind Helicopters, Inc.
Box 394
Yakima, WA 98907
☎509-575-5446

Westcor Aviation Inc.
11411 N. Tatum Boulevard
Phoenix, AZ 85028

Western Helicopter Svc. Inc.
P.O. Box 369
Newberg, OR 97132

Western Helicopters Ltd.
P.O. Box 232
Buffalo Sparrows, SK, S0M 0J0, Canada
☎306-235-4239

Western Helicopters, Inc.
P.O. Box 579
Rialto, CA 92376
☎714-829-1051 □676421
President: Clair T. Merryweather
Operations Manager: Dorcey Wingo
Chief Pilot: Peter Gillies
Director of Maintenance: Gary Kappa
Operations: Agriculture,
Air taxi/charter (US part 135),
Bank paper transportation, Construction,
EMS/air ambulance, Executive transport,
Exploration, External cargo, Fire control/support,
Forestry, general, Government contracting,
Herding (stock & wildlife),
Patrol (power, pipeline, buried cable),
Photography, Pilot training school,
Repair station (FAA certified), Sightseeing,
Skiing, Traffic surveillance
Helicopters: **1**-206B,**1**-500D,**1**-300B,**1**-500C,
1-300C,**1**-205A,**1**-47G3

Western Helicopters, Inc.
P.O. Box 762
13328-6200 Road
Montrose, CO 81401
☎303-249-8696

Western Piping & Engineering Inc.
1485 Yosemite Avenue
San Francisco, CA 94124

Westernair Inc.
P.O. Box 9127
Albuquerque, NM 87119

Westfall Helicopter Corp.
212 Brimball Avenue
Beverly, MA 01915
☎617-922-4177

Westwing A/S
Box 70
5040 Paradis, Norway
☎05-271506 □42582

Weyerhaeuser Company
Corporate Aircraft
Tacoma, WA 98477
☎206-241-2858 □9104412615
Manager, Aviation: William F. Gilbert
Chief Helicopter Pilot: Dale H. Erdelbrock
Chief Inspector: Arden E. Davis
Operations: Air taxi/charter (US part 135),
Fire control/support, Forestry, general
Helicopters: **3**-B212,**7**-206B

Frank L. Whitcomb
D.b.A. Drewsville Airways
Box 37
Drewsville, NH 03604
☎603-445-5555
Operations: Corporate (US part 91, not for hire),
Private owners
Helicopters: **1**-206B

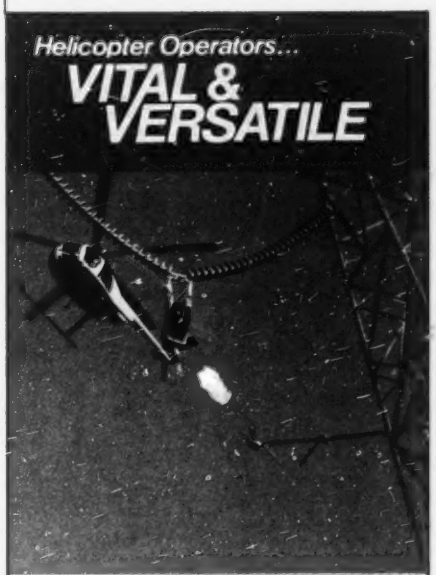
Whirl-Wide Helicopters, Ltd.
P.O. Box 35
Pleasant Point, New Zealand
☎64-24-776829 □NZ 5393

Whirling Dervish
153 Second Street
Suite 03
Los Altos, CA 94022
☎415-941-1335

Whirlwide Helicopters Ltd.
P.O. Box 16
Dunedin, New Zealand
☎DU-24-776829

Whirly Birds Inc.
P.O. Box 204
Lake Wales, FL 33853

Whirlybird Helicopter, Inc.
5275 Cole Road
Memphis, TN 38117
☎901-278-1241



Innovative sock line stringer bridges gap

Western Helicopters combines a Hughes 500D, two men and the new sock line stringer to speed up and simplify a process that formerly involved a team effort of ten to twenty men. With the Western helicopter and sock line stringer, Southern California Edison saved time, money, and avoided environmental problems in the sensitive desert ecology.

Western Helicopters, Inc.
Rialto, California

Whirlybirds
23 New Street
Kenilworth
Warwickshire, CV8 2EY, England
☎44-926-55972 □337537

White Mountain Airways
North Conway, NH 03860
☎603-356-2930
President: Wylie L. Apte
Representative: Edward Osgood
Operations: Air taxi/charter (US part 135),
Corporate (US part 91, not for hire),
Executive transport, Forestry, general,
Law enforcement (not for hire),
Patrol (power, pipeline, buried cable),
Photography, Sightseeing, Skiing,
Traffic surveillance
Helicopters: **2**-206B

White Ophthmology Clinic
301 Bowman Gray Drive
Greenville, NC 27834

Whiteshell Air Services
Seven Sisters Post Office
MB, R0E 1Y0, Canada
☎204-348-2592

Whonnock Industries Ltd.
Box 49114
595 Burrard Street
Vancouver, BC, V7X 1H7, Canada
☎604-681-3221

Wideroe's Flyvesekskap A/S
Box 82, Lileaker
Oslo, 2, Norway
☎02-555990 □18509

E.W. Wiggins Airways, Inc.
Concord Airport
Concord, NH 03301
☎603-224-9390

E.W. Wiggins Airways, Inc.
P.O. Box 250
Norwood, MA 02062
☎617-762-5690

Wiking Helicopter Service GmbH
Postfach 30 55 70
D-2000 Hamburg, 36, West Germany
☎40/44-19-13-50 □21700840
Managing Director: Rolf Schneider
Operations Manager: Udo Jahn
Chief Pilot: Josef Bloechl
Chief Engineer: Horst Voigt
Operations: Agriculture, Executive transport,
Exploration, External cargo, Forestry, general,
Government contracting, Offshore,
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Sightseeing
Helicopters: **1**-B212,**1**-206L,**2**-S61N,**2**-S76A

Wilbur's Incorporated
Merrill Field
1740 E. 5th Avenue
Anchorage, AK 99501
☎907-272-6361
President: Joseph Wilbur
Operations: Air taxi/charter (US part 135),
External cargo, Photography,
Pilot training school, Sightseeing
Helicopters: **3**-B47G

Wilco Aviation
P.O. Box 506
Ozark, AL 36360

Wildhorse Helicopters
Box 1244
Pendleton, OR 97801
☎503-276-4391

Wildlife Helicopter Services (Pty)
Box 368
Honeydew, 2040, South Africa
☎011-6591976 □425061

Wilkinson Flying Service Inc.
P.O. Box 11518
Lexington, KY 40511

William K. Carpenter
Atrium Financial Plaza, Suite 202
1515 N. Federal Highway
Boca Raton, FL 33432
☎305-368-0629
Owner: William K. Carpenter
Operations: Private owners
Helicopters: **1**-206B

Williams Aircraft Co.
3903 Lewiston Road
Niagara Falls, NY 14305

Williams Aviation Co.
200 Gulf Building
Midland, TX 79701

Williams Flying Service Inc.
Box 876
Seagraves, TX 79359

Williams Helicopters, Inc.
Box 388
Tutwiler, MS 38963
☎601-345-8395

Willmar Aerial Spraying Inc.
P.O. Box 169
Olivia, MN 56277

Wilsey, Bennett Company
P.O. Box 3532
San Francisco, CA 94119
☎415-391-4150
President/CEO: H.W. Poett
Operations Manager: M.W. Wilsey
Chief Pilot: C.D. Mooney
Operations: Corporate (US part 91, not for hire),
Executive transport
Helicopters: **1**-369D

Windward Aviation Inc.
P.O. Box 1066
Enid, OK 73701

Wishart Helicopters (1978) Ltd
Box 8054
Hamilton, New Zealand
☎HA-437372

Marc Wolff - The Helicopter Partnership
13 Imperial Studios
Imperial Road
London, SW6 2AG, England
☎731-6151 □8955215
President: Marc Wolff
Operations Manager: Colin Prescot
Chief Pilot: Andrew Von Pruesson
Company Secretary: Tessa Tennant
Operations: Electronic news gathering,
External cargo, Photography
Helicopters: Leased as required

Woodland Helicopters Limited
6566 Hillside Crescent
Delta, BC, V4E 1P9, Canada
☎604-596-9710

Worldwide Helicopter
P.O. Box 81
Cayman Islands
☎809-949-4216

Wright Airlift International Inc.
3501 Lakewood Boulevard
Long Beach, CA 90808
☎213-420-3301
President: Clayton D. Wright
Chief Pilot: Bill McMillan
Director, Maintenance: Ray Hanna
Operations: Air taxi/charter (US part 135),
Construction, Electronic news gathering,
Executive transport, Exploration External cargo,
Fire control/support, Forestry, general,
Government contracting,
Law enforcement (for hire), Offshore,
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Repair station (FAA certified), Sightseeing,
Skiing, Traffic surveillance
Helicopters: **2**-214B,**1**-B212,**1**-206B,**1**-341G,
1-S62A

The Wright Company, Inc.
34839 Pacific Highway South
Federal Way, WA 98003
☎206-927-1393
President: Robert L. Wright
Operations: Air taxi/charter (US part 135),
Construction, Exploration, External cargo,
Forestry, general, Logging,
Patrol (power, pipeline, buried cable),
Photography, Pollution detection/monitoring,
Sightseeing, Electronic news gathering
Helicopters: **2**-369D,**1**-369H

Wright Brothers Aviation, Ltd.
60 E. Columbia Street
P.O. Box 2266
New Westminster, BC, V3L, Canada
☎604-525-4949

Yellowhead Helicopters Ltd.
P.O. Box 18
1296 7th Avenue
Valemont, BC, V0E 2Z0, Canada
☎604-566-4401 □037-48539

Young Aviation Services
P.O. Box 4403
Springfield, IL 62607
☎217-793-1919
Operations Manager: Steven M. Young
Operations: Agriculture,
Air taxi/charter (US part 135),
Executive transport, Government contracting,
HW, Sightseeing,
Patrol (power, pipeline, buried cable),
Photography
Helicopters: **1**-300C

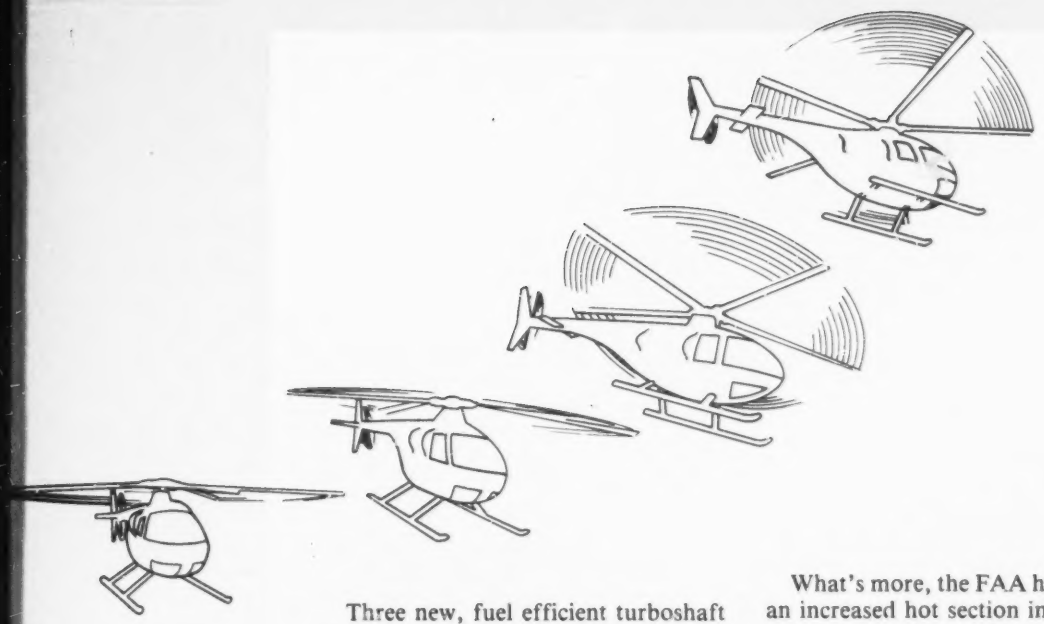
Yukon Airways, Ltd.
Hangar A
Whitehorse Airport
Whitehorse, YT, Y1A 3E4, Canada
☎403-668-2354

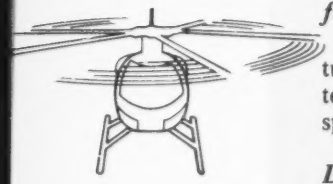
Yuma Helicopters, Inc.
4433 S. 4th Avenue Ext.
Yuma, AZ 85364
☎602-783-4300
President: Eugene Dewey
Operations: Agriculture
Helicopters: **5**-47G5

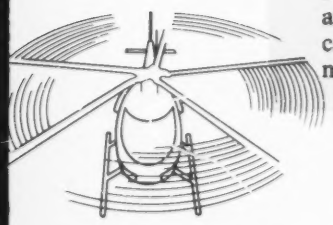
H.B. Zachry Company
10226 John Cape Road
San Antonio, TX 78216
☎512-828-1868 □767426
Chief Pilot: Byron M. Reed
Operations: Corporate (US part 91, not for hire),
Construction
Helicopters: **1**-206L

Zimmer Air Services
Rural Route 1
Charing Cross, ON, Canada
☎519-354-0211

AVCO TURBOSHAFT TECHNOLOGY







Three new, fuel efficient turboshaft engine models have been introduced by Avco Lycoming Williamsport Division. All are designed to cut ownership costs. These new models derive from other rugged, modular-design LTS 101 models, now approaching ¾ million hours of operation. They're backed worldwide by our factory support organization and maintenance centers.

LTS 101-600A-3 — Cooler running for even more reliability

The 600A-3 lowers hot section inter-turbine temperatures by 60°F. Cooler temperatures and lower rotational speeds mean longer life.

LTS 101-650C-3A — Increased hot section inspection interval

This engine features a new gearbox for lower vibration, less cabin noise, and better accessory life. An oil lubricated starter spline cuts inspection and maintenance costs.

What's more, the FAA has approved an increased hot section inspection interval from 600 to 1200 hours for all LTS 101-650C models.

LTS 101-750A-3 — With electronic fuel control for optimum performance

The 750A-3 is the first helicopter turbine to include Full Authority Digital Electronic Control (FADEC). Lucas Aerospace designed FADEC in cooperation with Avco Lycoming. FADEC cuts pilot workload and allows optimum engine and airframe operation while improving stability of the engine/airframe rotor system.

Avco Lycoming Williamsport is the leader in turboshaft technology and low cost turbine operation. Ask about "Power by the Hour," a program to stabilize operating costs.

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652 Oliver Street, Williamsport, Pennsylvania 17701
AVCO LYCOMING ENGINE GROUP

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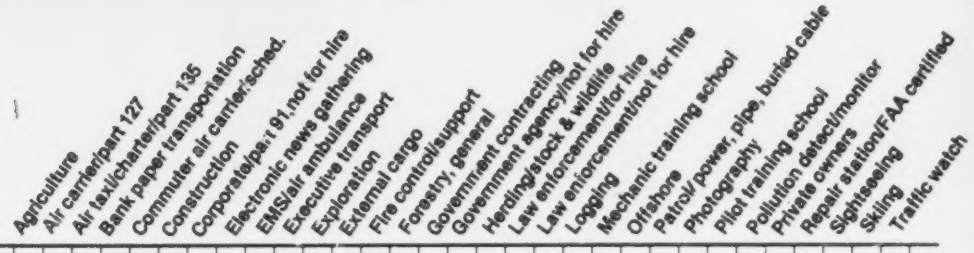
Geographic matrix of U.S. member operators by operation.



Alabama

Southern Aero Corporation
Ozark

Alaska

Alaska Helicopters, Inc.
Anchorage

ERA Helicopters, Inc.
Anchorage

International Air Transport Inc.
Anchorage

Seairmotive Inc.
Anchorage

Trans-Alaska Helicopters, Inc.
Anchorage

Wilbur's Incorporated
Anchorage

Tundra Copters, Inc.
Fairbanks

Kenai Air Alaska, Inc.
Kenai

Temsco Helicopters, Inc.
Ketchikan

A.R. Johnson Helicopters
Sitka

Arizona

Grand Canyon Helicopters
Grand Canyon

Madison Aviation
Mesa

Professional Aviation, Inc.
Peoria

Arizona Dept. of Public Safety
Phoenix

Arizona Public Service Co.
Phoenix

KPNX Television, Inc.
Phoenix

KTSP TV, Inc./Channel 10
Phoenix

Knoell Bros. Construction Inc.
Phoenix

Salt River Project
Phoenix

John Kamburoff Aerial Spray, Inc.
Poston

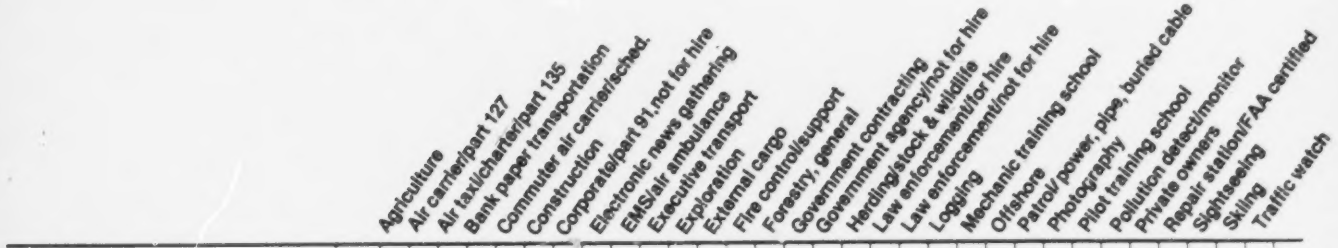
Air Services International, Inc.
Scottsdale

Tucson Police Department
Tucson

Yuma Helicopters, Inc.
Yuma

Arkansas

Central Flying Service, Inc.
Little Rock



California

Northrop Corporation
Anaheim

C.R.I.
Apple Valley

K.W. Emerson Inc.
Arnold

Occidental Petroleum Corp.
Bakersfield

Corwin D. Denney
Beverly Hills

EJ Helicopters, Inc.
Burbank

Aspen Helicopters Inc.
Camarillo

County of Ventura
Camarillo

Southern California Edison Co.
Chino

Rogers Helicopters, Inc.
Clovis

Telles Ranch, Inc.
Firebaugh

Crane Helicopter Services Inc.
Fremont

Infinity Aviation, Inc.
Lincoln

Island Express, Inc.
Long Beach

Wright Airlift International
Long Beach

Airspur Helicopters, Inc.
Los Angeles

California Federal Savings & Loan
Los Angeles

Helitac Aviation, Inc.
Los Angeles

Security Pacific National Bank
Los Angeles

Commodore Helicopters
Mill Valley

NASA Ames Research Center
Moffett Field

Rotor Connection
Novato

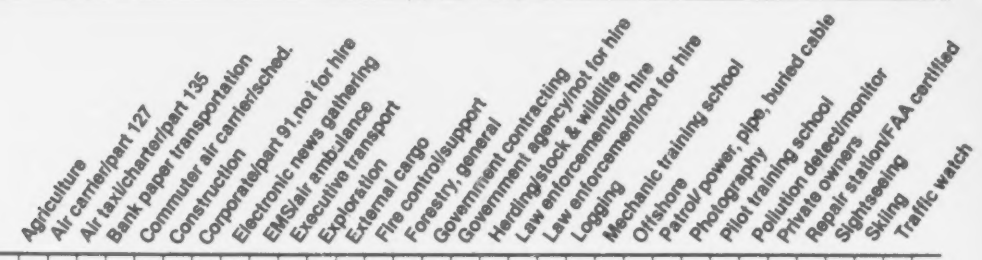
Helicopters Unlimited, Inc.
Oakland

Fluor Flight Operations
Ontario

Air Marine, Inc.
Oxnard

Los Angeles County Fire Dept.
Pacoima

Pasadena Police Department
Pasadena



California (cont'd)

Brian Chuchua's Jeep, Inc.
Placentia

Louisiana-Pacific Corp.
Red Bluff

Redding Air Service Inc.
Redding

Western Helicopters, Inc.
Rialto

Warner W. Hodgdon
Riverside

KCRA TV - Kelly Broadcasting
Sacramento

Verticare
Salinas

Wilsey, Bennett Company
San Francisco

Almaden Vineyards Inc.
San Jose

Aris Helicopters, Ltd.
San Jose

The Dolezal Company
San Luis Obispo

TRIAD America International
Santa Barbara

Permian Aviation, Inc.
Santa Maria

Sonoma County Sheriff's Office
Santa Rosa

Big Valley Aviation Inc.
Stockton

Alexair
Torrance

Blakes Helicopter Service
Vacaville

Briles Wing & Helicopter, Inc.
Van Nuys

City of Los Angeles
Van Nuys

Hughes Aircraft Company
Van Nuys

Jetcopters, Inc.
Van Nuys

Siller Bros., Inc.
Yuba City

Colorado

Public Service Co. of Colorado
Denver

Air Methods, .nc.
Englewood

Ptarmigan Helicopters, Inc.
Evergreen

Geo-Seis Helicopters, Inc.
Fort Coilins

Luebell Enterprises, Inc.
Grand Junction

Redstone Aero Services
Grand Junction

Ag Air Inc.
Johnstown

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New York, NY 10038
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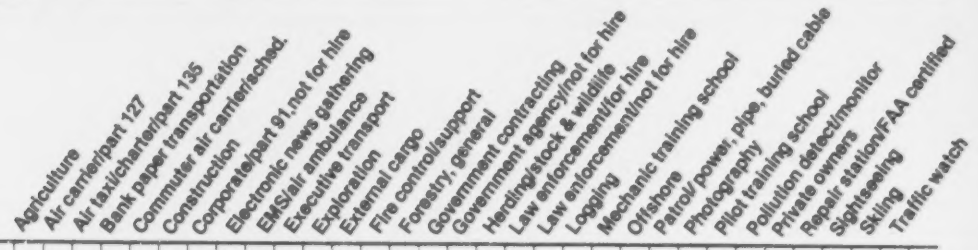
Reed Stenhouse Ltd.
2700 One Palliser Square
Calgary, Alberta T2G 0P9
Canada
Robert A. Pincott
Sr.V.P.-International
(403)267-7010

Reed Stenhouse Marketing Ltd.
2 South Place, P.O. Box 214
London EC 2P 2DX
United Kingdom
David P. Trezies,
Chief Executive-Aviation
(01)628-6011



Connecticut

Delta Helicopter Service, Inc.
Glastonbury

Mobil Oil Corporation
Stamford

Aetna Life & Casualty
Windsor Locks

CIGNA Corporation
Windsor Locks

Delaware

E.I. Du Pont Nemours & Company
Wilmington

District of Columbia

Capitol Helicopters Inc.
Washington

Steuart Petroleum Co.
Washington

United States Park Police
Washington

Florida

Execucorp
Bay Harbor Island

William K. Carpenter
Boca Raton

Africair Inc. (Pan African)
Miami

Executive Helicopter Services
Miami

Florida Power & Light Company
Miami

Tropical Helicopter Airways Inc.
Miami

WSVN-TV Channel 7
Miami

Miami Helicopter Service, Inc.
Opa Locka

Orlando Helicopter Airways, Inc.
Orlando

Atlantic Helicopter Service
Palm Beach

Helicopter Flights, Inc.
Palm Beach Gardens

Orlando Blade Technologies, Inc.
Sanford

Crescent Airways, Inc.
W. Hollywood

Aircoastal Helicopters Inc.
West Palm Beach

Georgia

Midstate/Executive Helicopters
Atlanta

Dooley Helicopters, Inc.
Chamblee

Southern Company Services, Inc.
Chamblee

	Agriculture	Air carrier/part 127	Air taxi/charter/part 135	Bank paper transportation	Commuter air carrier/sched.	Construction	Corporate/part 91,not for hire	Electronic news gathering	EMS/air ambulance	Executive transport	Exploration	External cargo	Fire control/support	Forestry, general	Government contracting	Government agency/not for hire	Herding/stock & wildlife	Law enforcement/for hire	Law enforcement/not for hire	Logging	Mechanic training school	Offshore	Patrol/ power, pipe, buried cable	Photography	Pilot training school	Pollution detect/monitor	Private owners	Repair station/FAA certified	Sightseeing	Skiing	Traffic watch
Hawaii																														
Hawaii Pacific Helicopters Inc. Honolulu			•		•					•		•											•				•			•
Royal Helicopters, Inc. Honolulu			•			•		•	•	•		•	•		•								•	•			•			
Maui Helicopters Inc. Kihei			•								•			•			•							•			•			
South Sea Helicopters, Inc. Lihue			•						•		•		•	•										•			•			
Idaho																														
Crew Concepts, Inc. Boise			•			•			•	•	•	•	•									•	•				•	•		
Idaho Helicopters, Inc. Boise	•		•			•		•	•	•	•	•	•	•		•						•	•				•			
Gem State Helicopters Caldwell			•			•			•	•	•	•	•	•		•						•	•							
Amercian Protective Services, Inc. Idaho Falls															•			•												
Bird Space Technology Sandpoint								•																						
Illinois																														
Chicago Fire Department Chicago								•				•			•			•											•	
Continental Illinois National Bank N.A. Chicago				•			•		•																					
Executive Helicopter, Inc. Chicago			•	•				•	•	•		•										•	•			•	•		•	
Standard Oil Co. of Indiana Chicago							•																							
Midwest Helicopter Airways, Inc. Hinsdale			•	•		•		•	•	•	•		•	•					•			•	•						•	
Illinois State Toll Highway Oakbrook												•						•					•							•	
Illinois Department of Transportation Springfield							•		•	•		•						•												
Young Aviation Services Springfield	•		•						•					•		•						•	•				•			
Perkinson Copters, Inc. Warrensburg	•		•				•			•			•	•		•	•					•	•				•			•
Indiana																														
Black Beauty Coal Company, Inc. Evansville							•																							
Public Service Co. of Indiana Plainfield							•																							
Kentucky																														
East Kentucky Paving Corp. Grayson							•																							
Diamond Shamrock Aviation Co. Lexington							•																							
Thoroughbred Helicopter Service Lexington																										•				
Shamrock Coal Company Manchester							•																							

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COUNTRY_____

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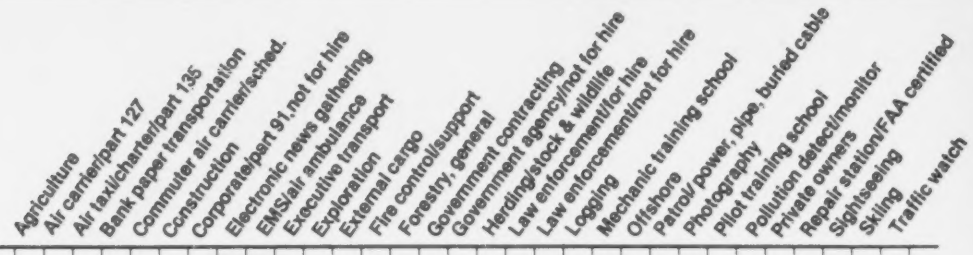


Louisiana

Energy Helicopters, Inc.
Houma

HCI Helicopters, Inc.
Kenner

Air Logistics
Lafayette

Commercial Helicopters, Inc.
Lafayette

Industrial Helicopters, Inc.
Lafayette

Petroleum Helicopters, Inc.
Lafayette

Louisiana Helicopters, Inc.
Metairie

Mobil Oil Exploration &
Producing Southeast, Inc.
Morgan City

Chevron U.S.A. Inc.
New Orleans

Shell Offshore, Inc.
New Orleans

SuWest Airways, Inc.
New Orleans

Ward Helicopters, Inc.
Vivian

Maine

Northeast Helicopter Service
Bucksport

Cumberland Corporation
South Windham

Maryland

Baltimore City Police Dept.
Baltimore

Baltimore Gas & Electric Co.
Baltimore

Security Ford Tractor, Inc.
Baltimore

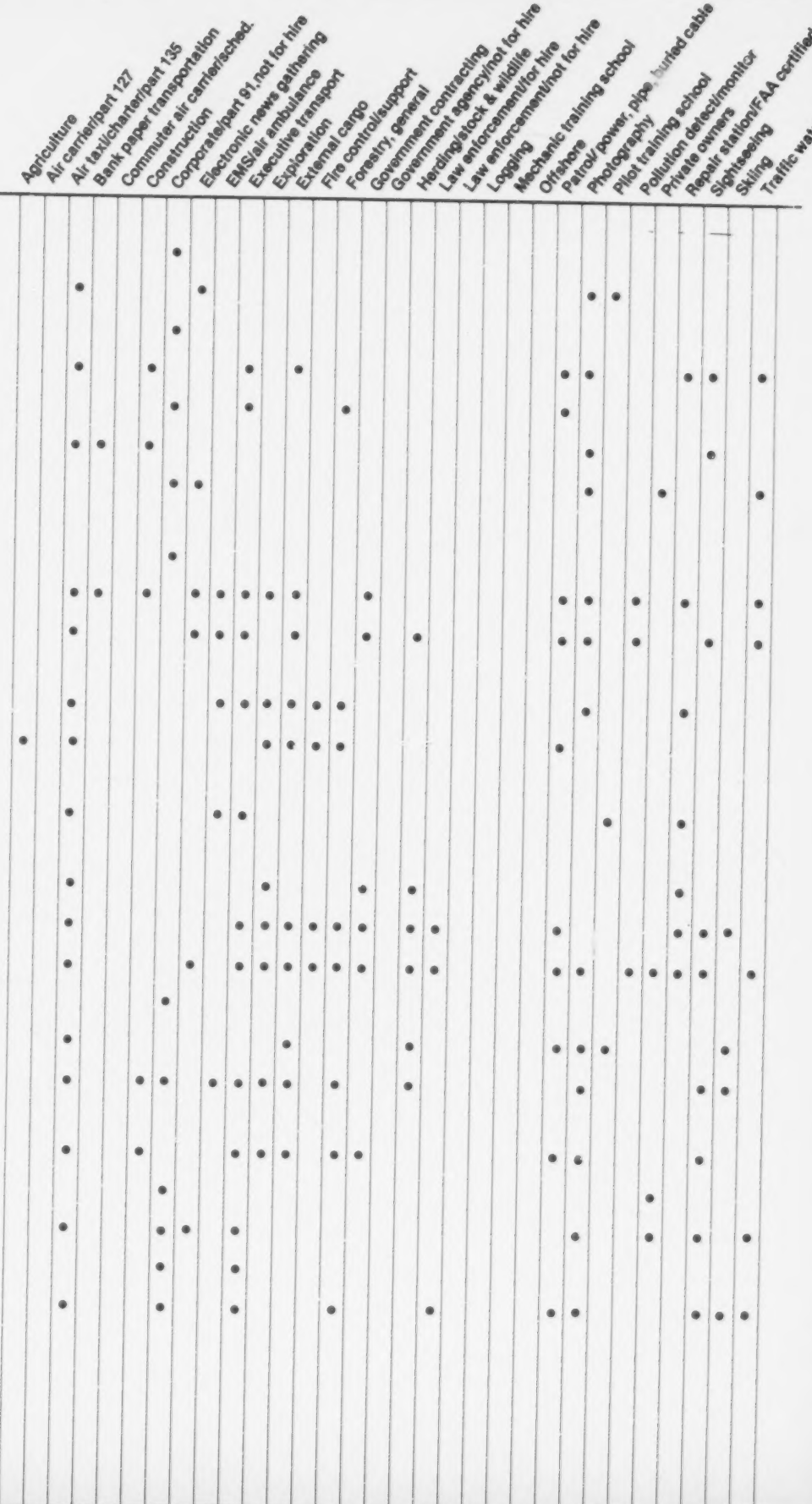
D.O.C. Incorporated
Bethesda

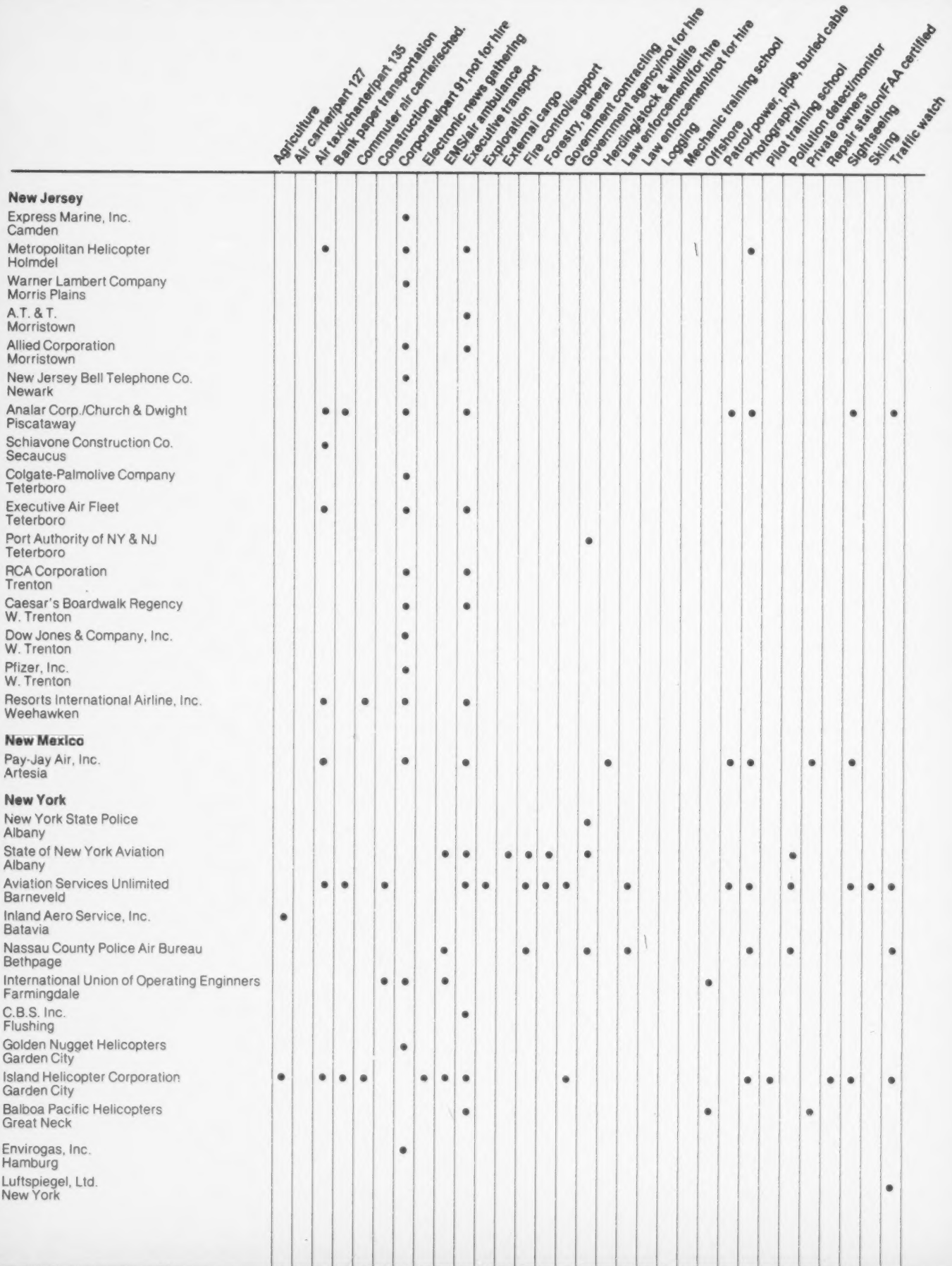
Massachusetts

Digital Equipment Corporation
Bedford

Simplex Time Recorder, Co.
Gardner

Bay Colony Helicopters, Inc.
Plymouth


Agriculture
Air carrier/part 127
Air taxi/charter/part 135
Bank paper transportation
Commuter air carrier/sched.
Construction
Corporate/part 91,not for hire
Electronic news gathering
EMS/air ambulance
Executive transport
Exploration
External cargo
Fire control/support
Forestry; general
Government contracting
Government agency/not for hire
Herding/stock & wildlife
Law enforcement/for hire
Law enforcement/not for hire
Logging
Mechanic training school
Offshore
Patrol/ power, pipe, buried cable
Photography
Pilot training school
Pollution detect/monitor
Private owners
Repair station/FAA certified
Sightseeing
Skiing
Traffic watch
Michigan
Allied Automotive
Detroit
Jet Services, Inc.
Detroit
Amway Corporation
Grand Rapids
B & G Helicopter Corp.
Grand Rapids
Consumers Power Company
Jackson
McMahon Helicopter Services
Northville
Metro Copters Incorporated
Whitmore Lake
Missouri
Anheuser-Busch Companies, Inc.
Bridgeton
St. Louis Helicopter Airways, Inc.
Chesterfield
Fostaire Helicopters
St. Louis
Montana
Mountain West Helicopters
Kalispell
Mendel Flying Service, Inc.
Malta
Nebraska
Duncan Aviation, Inc.
Lincoln
Nevada
El Aero Services, Inc.
E. Ely
El Aero Services, Inc.
Elko
Action JetRanger Helicopters
Las Vegas
Collins Brothers Corp.-Terrible Herbst Inc.
Las Vegas
Enterprise Helicopters, Inc.
Reno
Heavenly Valley Helicopters,
Stateline
New Hampshire
Joe Brigham Inc.
Bow
Frank L. Whitcomb/Drewsville Airways
Drewsville
Business Helicopters Inc.
Manchester
Signal Engineered Products Group
Manchester
White Mountain Airways
North Conway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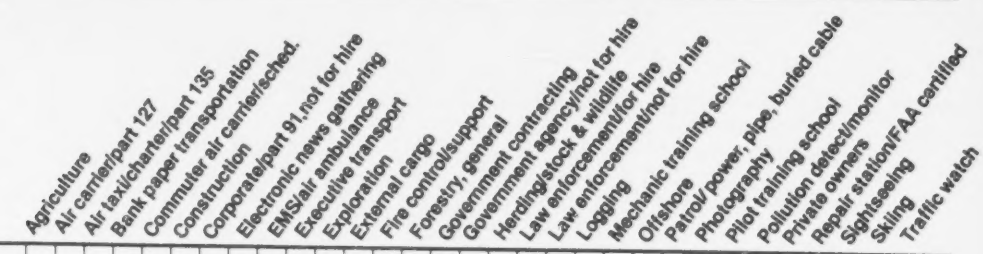
Patrol/ power, pipe, buried cable
Photography
Pilot training school
Pollution detect/monitor
Private owners
Repair station/FAA certified
Sightseeing
Skiing
Traffic watch
New Jersey
Express Marine, Inc. Camden
Metropolitan Helicopter Holmdel
Warner Lambert Company Morris Plains
A.T. & T. Morristown
Allied Corporation Morristown
New Jersey Bell Telephone Co. Newark
Analar Corp./Church & Dwight Piscataway
Schiavone Construction Co. Secaucus
Colgate-Palmolive Company Teterboro
Executive Air Fleet Teterboro
Port Authority of NY & NJ Teterboro
RCA Corporation Trenton
Caesar's Boardwalk Regency W. Trenton
Dow Jones & Company, Inc. W. Trenton
Pfizer, Inc. W. Trenton
Resorts International Airline, Inc. Weehawken
New Mexico
Pay-Jay Air, Inc. Artesia
New York
New York State Police Albany
State of New York Aviation Albany
Aviation Services Unlimited Barneveld
Inland Aero Service, Inc. Batavia
Nassau County Police Air Bureau Bethpage
International Union of Operating Enginners Farmingdale
C.B.S. Inc. Flushing
Golden Nugget Helicopters Garden City
Island Helicopter Corporation Garden City
Balboa Pacific Helicopters Great Neck
Envirogas, Inc. Hamburg
Luftspiegel, Ltd. New York



New York (cont'd)

WOR Radio
New York

Heussler Air Service Corp.
Niagara Falls

Villa Banfi
Old Brookville

Thomson Industries, Inc.
Port Washington

General Transportation Corp.
Ronkonkoma

Fugazy Air, Inc.
Spring Valley

Reavcom Services Inc.
Spring Valley

I.B.M. Corp.
Wappingers Falls

Onondaga County Sheriff's Dept.
Warners

Kirby N.Y. Realty Company
Westhampton Beach

American Express Co.
White Plains

Joseph E. Seagram & Sons, Inc.
White Plains

View Top Corporation
White Plains

Wayfarer Ketch Corporation
White Plains

North Carolina

Triad Helicopters, Inc.
Winston-Salem

North Dakota

Minnkota Power Co-op, Inc.
Grand Forks

Ohio

New Horizons Aviation Inc.
Cincinnati

CSX-Beckett Aviation, Inc.
Cleveland

Columbus, Ohio Police
Columbus

Helicopter Minit Men Inc.
Columbus

WBNS-TV Inc.
Columbus

Aerial Patrols, Inc.
N. Canton

Dana Corporation
Swanton

Oregon

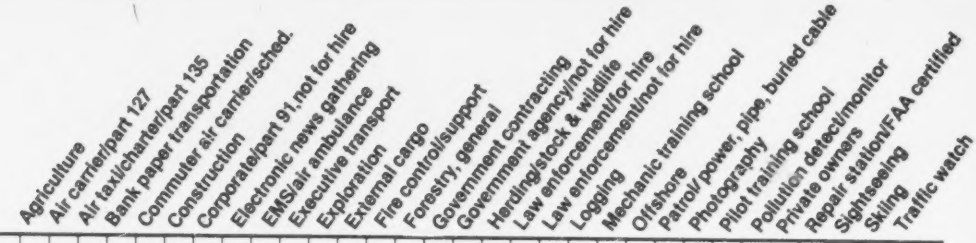
Erickson Air Crane, Co.
Central Point

Bertea/Aviation Inc.
Corvallis

Bohemia Inc.
Eugene

Heli-Jet Corporation
Eugene

Aircraft at Your Call
Hillsboro



Hillsboro Helicopters Inc.
Hillsboro

United Telephone Company of the Northwest
Hood River

Mid Valley Helicopters, Inc.
Jefferson

Rambling Rotors, Inc.
La Grande

Evergreen International Aviation
McMinnville

Columbia Helicopters, Inc.
Portland

Hoffman Construction Co.
Portland

Portland General Electric Co.
Portland

Reforestation Services, Inc.
Salem

Transwestern Helicopters, Inc.
Scappoose

Pennsylvania

Lehigh Valley Helicopter, Inc.
Allentown

Mack Trucks, Inc.
Allentown

Royale Helicopter Service Inc.
Burgettstown

Beechwoods Flying Service Inc.
DuBois

Rorer Group, Inc.
Fort Washington

Mincorp Inc.
Friedens

Ag Rotors Inc.
Gettysburg

REM Helicopters, Inc.
Harrisburg

Horsham Valley Airways, Inc.
Horsham

Rockwell International Corp.
Pittsburgh

United States Steel Corp.
Pittsburgh

Conoco, Inc.
W. Mifflin

Keystone Helicopter Corp.
West Chester

Al Hamilton Contracting Co.
Woodland

Rhode Island

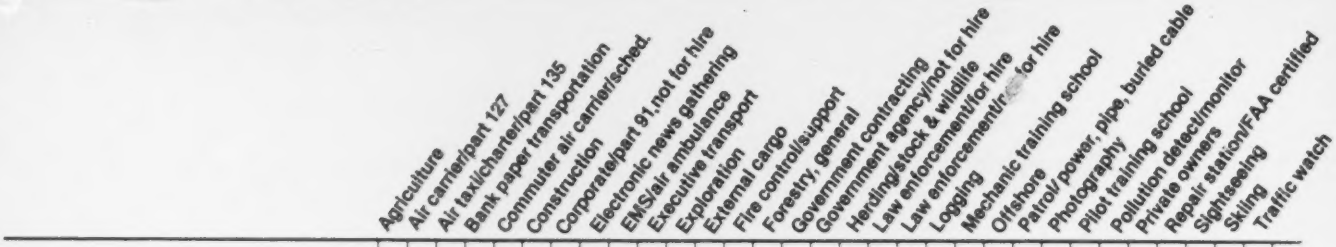
East Coast Helicopters, Inc.
Cumberland

Textron, Inc.
Warwick

South Carolina

Omniflight, Inc.
Charleston

Carolina Pipeline Co., Inc.
Columbia



Tennessee

Edwards & Associates, Inc.
Bristol

U.T. LIFESTAR, Aeromedical Services
Knoxville

Thompson & Green Machinery Co.
Lavergne

Aero International Helicopters
Nashville

Texas

Pumpkin Air, Inc.
Addison

Tiller Helicopter Service Inc.
Alice

Helitron Corporation
Amarillo

Austin Helicopter Service Inc.
Austin

Gene Branscome Investments
Baytown

Lapham Aviation, Inc.
Center Point

Superior Helicopters, Inc.
Corpus Christi

Dallas Police Department
Dallas

Lone Star Helicopters, Inc.
Dallas

Recon Air, Inc.
Dallas

Emory Aviation
Denison

City of Fort Worth
Fort Worth

Heli-Dyne Systems Inc.
Fort Worth

Allison/Walker Interests, Inc.
Houston

Armadillo Airways Helicopters
Houston

Executive Air Link
Houston

Exxon Company USA
Houston

Houston Pipe Line Company
Houston

Houston Police Department
Houston

Powersair Helicopters, Inc.
Houston

Shell Oil Company
Houston

Tenneco, Inc.
Houston

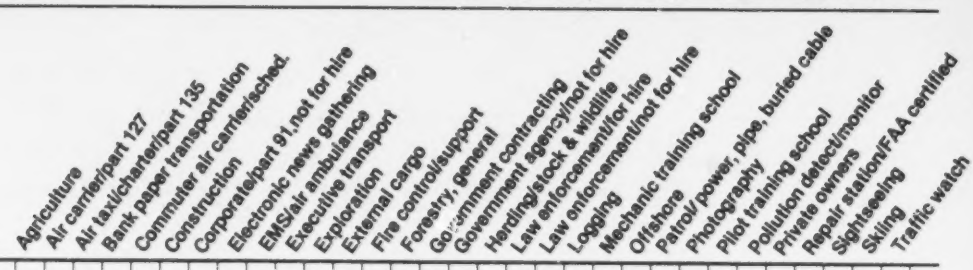
Transco Energy Company
Houston

Gulf Coast Helicopters, Inc.
Pearland

H.B. Zachry Company
San Antonio

D.H. Braman, Jr. Company
Victoria

Tom O'Connor, Jr.
Victoria



Utah

Hosking Helicopters, Inc.
Bountiful

Blackhawk Helicopters, Inc.
Provo

Continental Helicopters, Inc.
Provo

Helicopters West, Inc.
Provo

Rocky Mountain Helicopters, Inc.
Provo

KSL Television
Salt Lake City

Virginia

Summit Helicopters, Inc.
Cloverdale

City of Virginia Beach
Virginia Beach

Washington

Cascade Helicopters, Inc.
Cashmere

HiLine Helicopters Inc.
Darrington

The Wright Company, Inc.
Federal Way

Eagle Air Helicopters, Inc.
Forks

Rockwell International/Hanford Patrol
Richland

Aero-Copters Inc.
Seattle

Pacific Lumber & Shipping Co.
Seattle

Pacific Helicopters, Inc.
Startup

Weyerhaeuser Company
Tacoma

West Virginia

Mountain Jet Aviation, Inc.
Elkins

Wisconsin

Blackhawk Helicopter
Services, Inc.
Madison

S.C. Johnson & Son, Inc.
Racine

Wyoming

Hawkins & Powers Aviation Inc.
Greybull

Kjerstad Helicopters
Jackson

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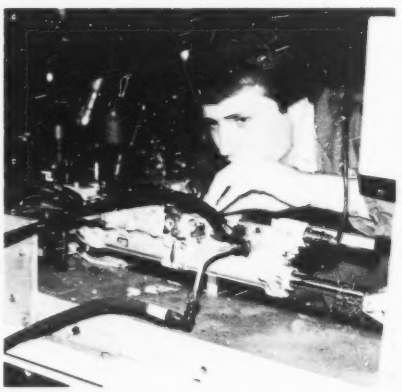

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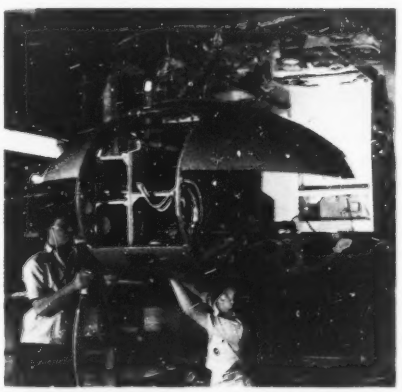
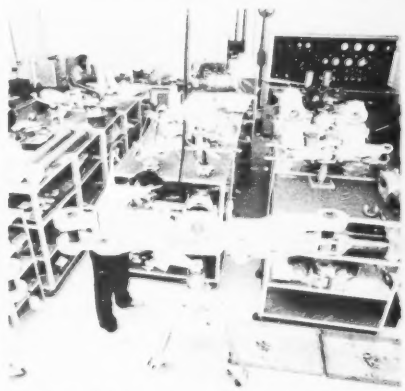


Asia's largest Bell maintenance and structural repair organisation

Bell appointed service and repair station. UH-1, 205, 212 and 206 rebuild capability. Interior/exterior refurbishing. Air worthiness approvals from Singapore, Malaysia, Philippines, Indonesia, Hongkong, Thailand, Saudi Arabia, Oman and U.K. FAA repair station 651-75.

HELI ORIENT

HELI ORIENT (PTE) LIMITED
East Camp, Seletar Airfield,
Singapore 2879.
Telephone: 4815311.
Telex: FLIGHT RS 24675



Asia's biggest and best equipped Component overhaul facility

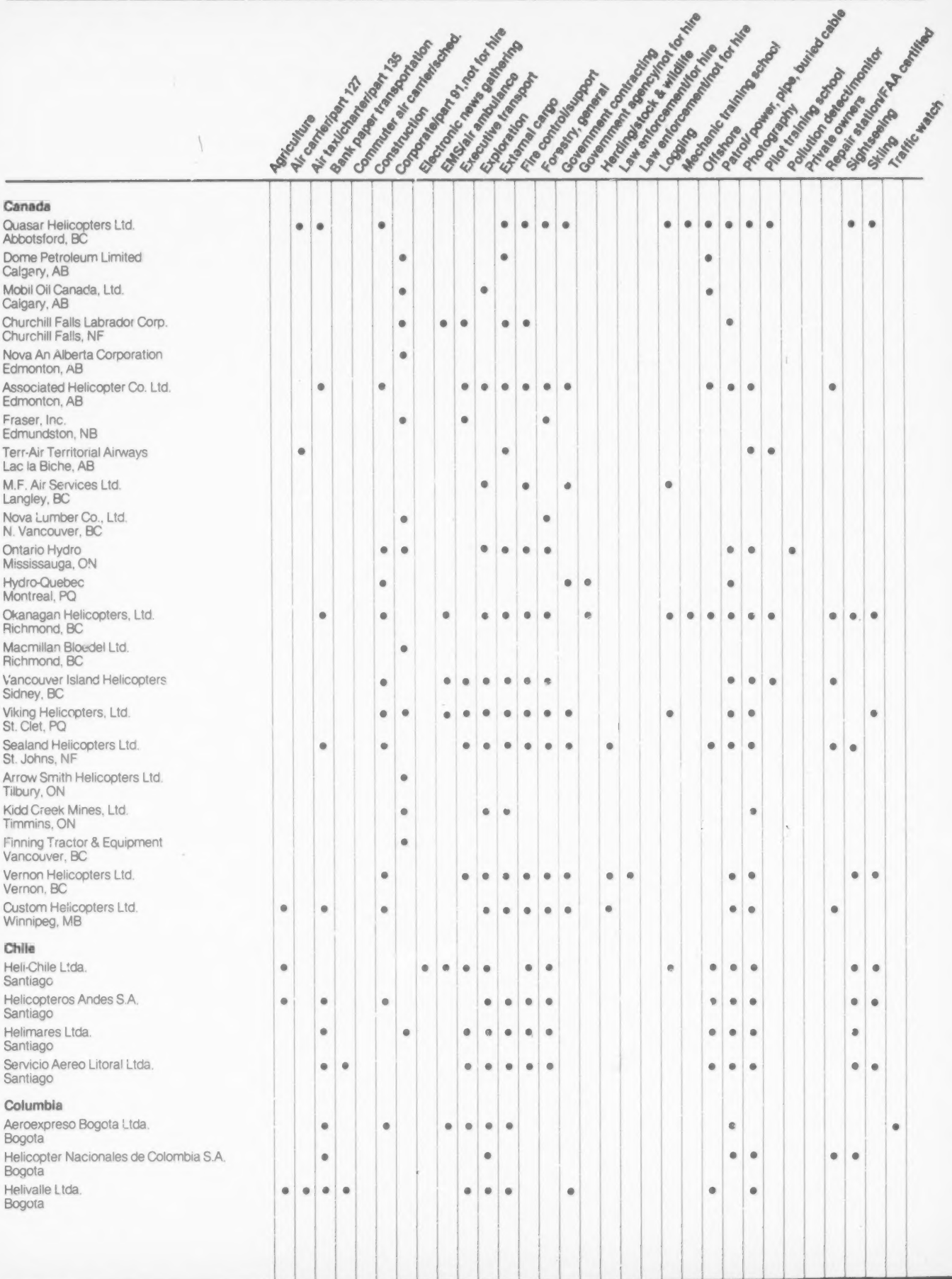
Bell appointed customer service and component overhaul. Lycoming and Continental overhauls. Electro fusion repairs. Hartzell and McCauly propeller overhaul. Hydraulic overhauls. Precision machining. Electrical accessories overhauls. Pressure vessel hydrostatic testing and repairs. Fuel system overhauls. Safety equipment repair and certification. Avionics and instrument installation and overhaul. FAA repair station 651-10F.

FAS ORIENT

FAS-ORIENT (PTE) LIMITED
Changi P.O. Box 36,
Singapore 9150.
Telephone: 5459455.
Telex: FASIN RS 26820

Geographic matrix of international member operators by operation

	Agriculture	Air carrier/part 127	Air taxi/charter/part 135	Bank paper transportation	Commuter air carrier/sched.	Construction	Corporate/part 91,not for hire	Electronic news gathering	EMS/air ambulance	Executive transport	Exploration	External cargo	Fire control/support	Forestry, general	Government contracting	Government agency/not for hire	Herding/stock & wildlife	Law enforcement/for hire	Law enforcement/not for hire	Logging	Mechanic training school	Offshore	Patrol/ power, pipe, buried cable	Photography	Pilot training school	Pollution detect/monitor	Private owners	Repair station/FAA certified	Sightseeing	Skiing	Traffic watch
Australia																														
Aero Support/Heli-Aust Pty. Ltd Bankstown, NSW	•	•	•		•				•	•	•	•		•									•	•			•	•		
Commercial Aviation Pty. Ltd. Bankstown, NSW									•	•	•											•								
Rex Aviation Ltd. Bankstown, NSW									•											•				•			•			
Department of Aviation Canberra City, ACT															•															
Rotaflite Goondiwindi, Queensland	•								•														•				•			
Dick Smith Adventure Pty. Ltd. North Ryde, NSW						•																	•							
Bell Helicopter Australia Queensland																											•			
Esso Australia Ltd. Sale, Victoria					•		•		•	•	•	•								•	•		•	•			•	•		
Vowell Air Services Tyabb, Victoria	•	•	•			•		•	•	•	•	•	•	•		•	•				•	•	•				•			
Jayrow Helicopters Pty Ltd. Victoria			•			•		•		•	•	•	•	•								•	•	•						
Austria																														
Helikopter Air-Transport GmbH. Innsbruck			•			•			•	•		•	•	•						•			•	•			•	•		
Belgium																														
V.C. Helicopters S.A. Sint-Pieters Leeuw											•												•	•	•					
Brazil																														
Lider Taxi Aereo S/A Belo Horizonte			•			•			•	•	•	•		•							•	•	•	•				•		
Aeroleo Taxi Aereo Ltda. Rio de Janeiro																					•									
Helijet Aero Taxi Ltda. Rio de Janeiro											•										•									
Votec Rio de Janeiro	•		•																		•									
Cruzeiro Taxi Aereo S.A. Rio de Janeiro			•						•	•	•								•		•		•				•			
Heliservice-Servicos Sao Paulo			•	•		•			•	•	•	•		•								•	•				•		•	
Selecta Aero Taxi Ltda. Sao Paulo			•	•			•		•		•	•	•	•		•						•	•		•		•	•	•	
Pirelli S/A Sao Paulo						•			•																		•			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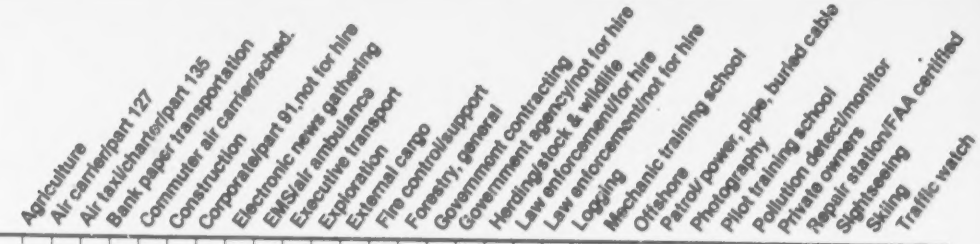
Photography
Pilot training school
Pollution detect/monitor
Private owners
Repair station/FAA certified
Sightseeing
Skiing
Traffic watch
Canada
Quasar Helicopters Ltd.
Abbotsford, BC
Dome Petroleum Limited
Calgary, AB
Mobil Oil Canada, Ltd.
Calgary, AB
Churchill Falls Labrador Corp.
Churchill Falls, NF
Nova An Alberta Corporation
Edmonton, AB
Associated Helicopter Co. Ltd.
Edmonton, AB
Fraser, Inc.
Edmundston, NB
Terr-Air Territorial Airways
Lac la Biche, AB
M.F. Air Services Ltd.
Langley, BC
Nova Lumber Co., Ltd.
N. Vancouver, BC
Ontario Hydro
Mississauga, ON
Hydro-Quebec
Montreal, PQ
Okanagan Helicopters, Ltd.
Richmond, BC
Macmillan Bloedel Ltd.
Richmond, BC
Vancouver Island Helicopters
Sidney, BC
Viking Helicopters, Ltd.
St. Ciet, PQ
Sealand Helicopters Ltd.
St. Johns, NF
Arrow Smith Helicopters Ltd.
Tilbury, ON
Kidd Creek Mines, Ltd.
Timmins, ON
Finning Tractor & Equipment
Vancouver, BC
Vernon Helicopters Ltd.
Vernon, BC
Custom Helicopters Ltd.
Winnipeg, MB
Chile
Heli-Chile Ltda.
Santiago
Helicopteros Andes S.A.
Santiago
Helimares Ltda.
Santiago
Servicio Aereo Litoral Ltda.
Santiago
Columbia
Aeroexpreso Bogota Ltda.
Bogota
Helicopter Nacionales de Colombia S.A.
Bogota
Helivalle Ltda.
Bogota



Egypt

Petroleum Air Services
Cairo

England

Dollar Air Services Limited
Coventry

Shell Aircraft, Ltd.
London

Marc Wolff - The Helicopter Partnership
London

Air Hanson Ltd.
Surrey

Alan Mann Helicopters, Ltd.
Surrey

Bristow Helicopter Group Ltd.
Surrey

Finland

Helikopteripalvelu
Helsinki

France

Heli Union
Paris

Greenland

Greenlandair, Inc.
Godthaab

Guatemala

Helicopteros de Guatemala
Guatemala City

Indonesia

ATA Asahi Transna Airways P.T.
Jakarta

Airfast Services P.T.
Jakarta

Derazona Air Service P.T.
Jakarta

Indonesia Air Transport P.T
Jakarta

National Utility Helicopters P.T.
Jakarta, Pusat

Pelita Air Service P.T.
Jakarta, Pusat

Ireland

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County Clare

Irish Helicopters, Ltd.
Dublin

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aerospace review

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Western Region

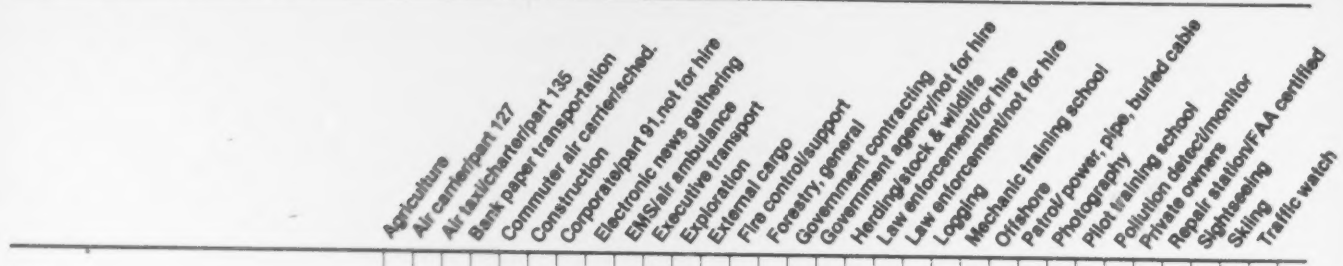
William M.C. Millar, Interavia Publications, 4201 Wilshire Blvd. Suite 406, Los Angeles, CA90010, Tel. (213) 933 4600, Telex 294565 ITAV UR

Central Region

Sheana Docherty, Interavia Publications, One Circle Plaza, Suite 206, 3704 Highway 377 South, Fort Worth, TX 76116, Tel. (817) 244 2605, Telex 203941 ACTD UR

Eastern Region

C.E. Soden, Susan E. Franz, Interavia Publications, Suite 309, 7 High Street Huntington, NY 11743, Tel. (516) 423 1330, Telex 230189 SWIFT UR (international) 960127 domestic



Italy

Elitos Helicopters S.p.A.
Florence

Japan

Aero Asahi Corporation
Tokyo

Kenya

Autair Helicopters (EA) Ltd.
Nairobi

Liechtenstein

Eisenhut Aviation AG
Mauren

Malaysia

Penerbangan Sabah SDN BHD
Kota Kinabalu, Sabah

Kumpulan Guthrie Sendirian
Kuala Lumpur

Malaysian Helicopter Services
Kuala Lumpur

Mexico

Aeropycsa, S.A. De C.V.
Mexico D.F.

Department del Distrito
Mexico D.F.

Netherlands

Schreiner Airways B.V.
Leiden

K.L.M. Helikopters B.V.
Schipol East

New Zealand

Alpine Helicopters, Ltd.
Cromwell

Norway

Helikopter Service A/S
Lysaker

Norwegian Air Ambulance
Drobak

Lufttransport A/S
Tromsoe

Puerto Rico

Travenol Laboratories, Inc.
Carolina

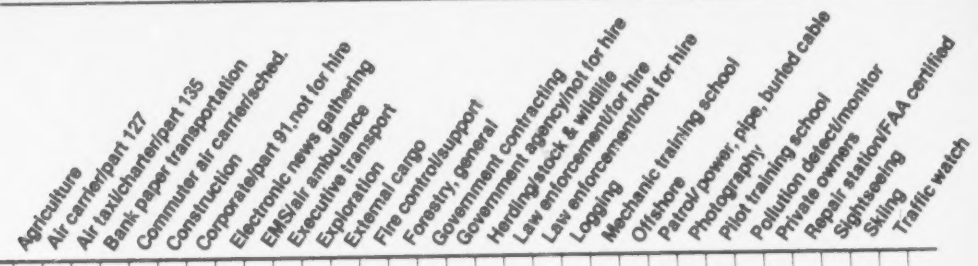
Puerto Rico Electric Power
San Juan

Saudi Arabia

Arabian Helicopters Ltd.
Dhahran

Scotland

British Caledonian Helicopter
Dyce, Aberdeen



Singapore

Heli Services (PTE) Ltd.
Singapore

Mobil Producing Services
Singapore

National Utility Helicopters P.T.
Singapore

South Africa

Court Helicopters (PTY) Ltd.
Cape Town

Republic Helicopters (PTY) LTD Rand Airport

Heliquip (PTY) Ltd.

Heliquip (PTY.) Ltd.
Transvaal

Spain

AGRAR, S.A.
Zaragoza

Sri Lanka

Upali Travels Limited
Colombo

Sweden

Sterner Aero AB
Borlange

Ostermans Aero AB
Jaerfaella

Board of Civil Aviation
Norrkoping

Lapplandsflyg/Lapair AB
Umea

Switzerland

Heliswiss
Belp

Air Zermatt AG
Zermatt

Swiss Air-Rescue
Zurich

Thailand

Electricity Generating Authority
Nonthaburi

U. A. E.

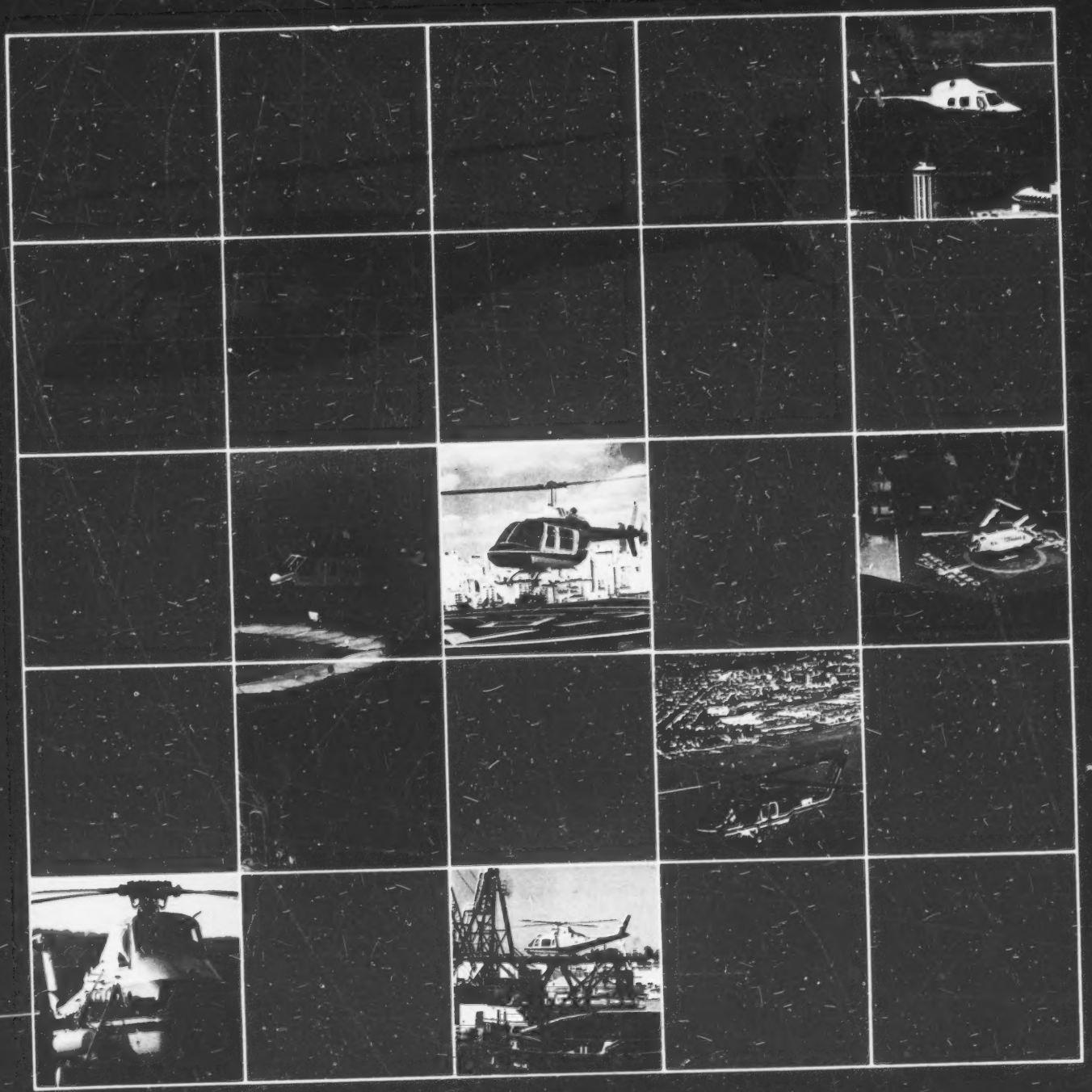
Abu Dhabi Helicopters Limited
Abu Dhabi

West Germany

Motorflug GmBH.
Baden-Baden

Wiking Helicopter Service GmbH
Hamburg

Directory of HAI associate members



Directory of HAI associate members

An alphabetical listing of member firms serving the helicopter industry

ARNAV Systems, Inc.
4740 Ridge Drive, N.E.
Salem, OR 97303
☎503-393-2550 ☐151649
Chairman & CEO: T.C. Achilles, Jr.
Vice President, Marketing: Dennis B. Nichols
Marketing Manager: Joe LaFayette
Vice President, Manufacturing: James Morrow
Vice President, Engineering: Steve Roth
Services: Avionics manufacturer.

ASCO Flight Watch
3066 Mercer University Drive
Suite 100
Atlanta, GA 30340
☎404-452-7654
President: Ben Framer
Services: Computers for aviation.

Abex Corporation
Aerospace Division
3151 W. Fifth Street
Oxnard, CA 93030
☎805-985-0217 ☐215612
President: G. E. Devillers
Vice President, Marketing: B. L. Fuhrman
Director Product Support: R. L. Bell
Manager, General and Rotary Sales:
Jack Kapich
Services: Manufacturers of hydraulic pumps, servo valves and integrated packages utilized on commercial and military helicopters.

Accessory Service Inc.
25139 Avenue Stanford
Valencia, CA 91355
☎805-257-2217 ☐662630
President: James L. Durbin
Vice President, Operations: Robert M. Clemens
Marketing Manager: Laura A. Burd
Sales Administrator: Katherine P. Rudolph
Services: Manufacture, overhaul and repair of hydraulic system components. HR Textron, Ronson & Abex authorized service center/dealer.

Aero Design Plus Incorporated
11431 W. Airport Service Road
Toledo Express Airport
Swanton, OH 43558
☎419-865-1676 ☐753681
President: Ronald S. Matta
Vice President, Marketing: Cynthia M. Price
Services: Full one-step refurbishing completion center for helicopters and fixed wing. We have a fire inhibitor that will completely block fire from developing in a cabin.

Aero Engineering Corporation
2000 Calumet Street
Clearwater, FL 33575
☎813-461-5758 ☐803882
Chief Executive Officer: Harry J. Barkett
President: Gene Sells
Vice President, Marketing: Michael Glass
Services: Manufacturer of helicopter air conditioning systems.

Aero Mechanism, Inc.
20327 Nordhoff Street
Chatsworth, CA 91311-6161
☎818-709-2851 ☐9104951710
President: S. Breckley
Sales Manager: Gary Noyes
Services: Manufacturer of quality flight instruments, cabin pressure instruments & pressure sensors for aircraft, ships & submarines.

Aero Quality Sales Co.
165 Chubb Avenue
Lyndhurst, NJ 07071
☎201-288-5510 ☐134325
Vice President/General Manager: Phil Caddoo
Director of Operations: John Downey
Marketing Services: Elizabeth Walker
Services: Authorized distributor for Marathon, SAFT, General Electric, Gill Aircraft Batteries, Christie, Hobart Ground Power Equip. & JET supplies.

Aeronautical Accessories Inc.
P.O. Box 3689
Bristol, TN 37625
☎615-538-5151 ☐553446
President: James Wolfe
Vice President: David Kent
Vice President/Marketing: Rick Lewis
Services: Design, develop, certify and manufacture helicopter accessories.

Aeronetics
2100 Touhy Avenue
Elk Grove Village, IL 60007
☎312-437-9300 ☐253594
Vice President/General Manager: W. Warren
Communications Manager: Ann T. Baldwin
Services: Design and manufacture of navigational flight instruments including RMIs.

Aerospace Management Services International, Inc. (AMSI)
611 Ryan Plaza Drive, Suite 500
Arlington, TX 76011
☎817-460-5924 ☐758703
President: Joseph R. Bailey
Vice President/Aviation: O. Ray Wall
Vice President/Accident Investigation:
David F. Ek
Helicopter Operations: Joseph Syslo
Services: Flight safety evaluations; aircraft accident investigations; aircraft appraisals & feasibility studies; full consulting services.

82 83 **Aerospatiale Helicopter Corporation**
2701 Forum Drive
Grand Prairie, TX 75053-4005
☎214-641-0000 ☐730489
President: Robert N. (Bob) Mackinnon
Executive Vice President: Phillipe Orsetti
Vice President, Marketing: Ron LaFleur
Vice President, Operations: Arthur H. Wagner
Manager/Public Relations: Bill Thornas
Services: Helicopter manufacturing, sales, repairs, support services for North America.

Aerospatiale Helicopter Division
2-20 Avenue Marcel Cachin
La Courneuve 93126, France
☎1-838-9178 ☐212836
Managing Director: Michel Thomas
Assistant Managing Director: J. Claude Rebuffel
Commercial Director: Lucien Lordereau
Product Support Director: Yves Birotteau
Charge de Missions: Jean Boulet
Services: Helicopter manufacturer.

Aggressive Aviation Insurance
6312 Variel Avenue
Suite 213
Woodland Hills, CA 91367
☎213-999-6014
Executive Vice President: Beverly Gassen
Services: Helicopter insurance.

C2 **Agusta Aviation Corporation**
Norcom & Red Lion Roads
Philadelphia, PA 19148
☎215-245-8860 ☐6851181
President: Enrico M. Striano
Vice President/Marketing: Frederick V. Martin, Jr.
Director of Communications: William J. Marlin
Vice President, Operations: James Byrnes
Services: Marketing, sales and support maintenance services for the Agusta Light Twin helicopter.

Air & Sea Inflatables, Inc.
214 Boudreaux Street
Building A
Lafayette, LA 70506
☎318-237-1110
President: Gerald W. South
Senior Vice President: Sheila R. South
Services: Repair & overhaul of helicopter fuel cells, floats, life rafts, life vest. PMA approved life vest covers and PMA approved float covers.

● *Indicates page of advertisement*

Air Associates, Inc.
5225 Old Orchard Road
Suite 44
Skokie, IL 60077-9990
☎312-966-6400 □253570
President: Philip Sacks
Senior Vice President: Edwin T. Mahood
Executive Vice President: Edward R. Eckhart
Financial Vice President: Errol M. Friedman
Services: Helicopter sales/brokerage, financing, leasing. Sales of helicopter spares and accessories.

Airborne Data Systems, Inc.
C-5455 Airport Road. South
Richmond, BC, V7B 1B5. Canada
☎604-276-2332
President: Muray Craig
Marketing Manager: Ed Schnitzer
Chief Pilot: Jim Innes
Services: Computerized aviation maintenance systems.

Airclaims, Inc.
7315 Wisconsin Avenue, N.W.
Bethesda, MD 20814
☎301-652-4811 □898448
President: Robert E. Anson
Services: Aviation insurance claims specialists - offices in NY City, Washington, D.C., Miami, Dallas, Los Angeles, Anchorage, Central and South America.

Aircraft Gear Corporation
6633 W. 65th Street
Chicago, IL 60638
☎312-594-2100 □270455
President: Ken M. Spurgeon
Vice President, Marketing: George Baena
Vice President, Manufacturing: Kieth E. Sladek
Vice President, Finances: Sal Barbaro
Services: Manufacturer of gears, gearboxes and rotor shafts for helicopters.

Aircraft Modular Products
4000 N.W. 36th Avenue
Miami, FL 33142
☎305-633-6817 □522876
Vice President: Roger Koch
Sales Manager: Robin Heslop
Services: Aircraft and helicopter seats.

Aircraft Parts Corporation
160 Finn Court
Farmingdale, NY 11757
☎516-249-3053 □961341
President: S. Sherman
Marketing/Sales: Dick Siuniak
S. Friedner
Services: Manufacturer of starter generators, starters, voltage regulators.

Aircraft Technical Publishers
101 S. Hill Drive
Brisbane, CA 94005
☎415-468-1705 □171048
President: William L. Daniels
Executive Vice President: Caroline D. Bonner
Vice President, Marketing: Cecil H. Carson, Jr.
Services: Microfiche, telecommunications, service information and record keeping; helicopter maintenance manuals on microfiche.

Airfoil Division
of Vac-Hyd Corporation
1177 Great Southwest Parkway
Grand Prairie, TX 75050
☎214-641-6720 □794921
Sales Representative: Earl Cole
Services: Components & spare parts repair/overhaul.

Airwork Corporation
1740 N.W. 69th Avenue
Miami, FL 33126
☎305-592-3040 □831754
General Manager: Richard Christopher
Services: Airwork Corporation is an authorized distributor for the Allison 250 engine, offering complete overhaul and repair support.

Airwork Corporation
Millville Municipal Airport
Millville, NJ 08332
☎609-825-6000 □831754
President: Frederick W. Becker
Marketing Manager: Terry Scott
Service Manager: Bob Holmes
Program Manager: Paul Nielsen
Services: Airwork Corporation is an authorized distributor of the Allison 250 engine, offering complete overhaul and repair support.

14 **Allison Gas Turbine Division**
15 General Motors Corporation
2001 S. Tibbs; P.O. Box 420
Indianapolis, IN 46206-0420
☎317-242-5000 □276400
General Manager: F. B. Wallace
Director, Small Aircraft Engines: R. Frederick Harvey
Director, Public Relations: D. G. O'Brien
Manager, Model 250 Product Support: C. E. Wagner
Services: Allision Gas Turbine Division manufactures small & large gas turbine engines used in rotary wing, fixed wing & industrial applications.

Alyeska Pipeline Service Co.
1835 S. Bragaw Street
Anchorage, AK 99512
☎907-278-1611 □25127
President: Frank G. Turpin
Supervisor/Aviation Services: Frank M. Heffernan
Services: Crude oil pipeline.

American ACMI
American Hospital Supply Corp.
300 Stillwater Avenue
Stamford, CT 06902
☎203-357-8300 □996466
Vice President, Industrial: William Babcock
Director, Industrial Engineering: Anthony Rega
Director, Sales/Marketing: Steven T. DeLisi
Project Engineer: Frank D'Amelio
Services: Manufacturers of borescopes.

American Aviation Services Corporation
10534 Natural Bridge Road
Saint Louis, MO 63134
☎314-428-4200 □44-7353
President: Leo Howe
Director, Safety Engineering: Ric Wilken
Safety Engineer: Eric C. Lugger
Services: Aviation safety evaluations and aircraft accident investigations.

American Society of Hospital
Based Emergency Air Medical Services
(ASHBEAMS)
28041 Lucero
Mission Viejo, CA 92692
☎714-581-9050
President: Daniel Reich
Executive Director: Nina Merrill
Services: Non-profit organization representing hospitals who operate emergency helicopters/fixed wing transport services to advance the concept & capabilities of EMS.

Ametek, U.S. Gauge Division
Aerospace Products
Station Square Two
Paoli, PA 19301
☎215-647-2121 □847445
Advertising Manager: William K. Mullan
Services: Manufacturer of engine & cockpit instruments. Solid state pressure transducers and LCD displays.

Apeiron Technology, Inc.
P.O. Box 632
El Segundo, CA 90245
☎213-322-5536 □9103486274
President: Frederic L. Diamond
Vice President/Marine Division: P. J. Diamond
Sales: Davis Zapata
Administrative Manager: Lynda Nelson
Services: Overhaul, repair and sale of inflatable survival equipment.

Arabian American Oil Company
Aviation Department
Box 80
Dhahran, Saudi Arabia
☎62210 □601220
Manager, Aviation Department: M.W. Townsend
Services: Oil exploration and production.

Arrow International
2611 S. Central Expressway
Dallas, TX 75215
☎214-421-7177
Vice President: Mark Kenner
Vice President, Marketing: Fred Kenner
V.P., Public Relations: Bernie Rosen
Sales: Don Simon
Services: Unique two phase program designed to remove carbon, oil, grease and corrosion leaving a slick, friction-free, tension breaker coating.

Associated Air Center
P.O. Box 20718
Dallas, TX 75220
☎214-350-4111 □732448
President: Lee J. Lanford
Vice President/Marketing: Robert W. Smith
V.P./Public Relations: Ed Moreno
Vice President/Finance: Jerry E. King
Services: Bell service station, avionics, radio, VIP interiors. Emergency medical services for 206, 212 and S-76. Sperry IFR.

Associated Aviation Underwriters
90 John Street
New York, NY 10038
☎212-766-1600 □125157
President: Robert M. Lowd
Executive Vice President: Daniel M. Izard
Vice President, Safety: Edward R. Williams
Services: Aviation insurance.

Astronautics Corporation of America
P.O. Box 523
Milwaukee, WI 53201-0523
☎414-447-8200 □9102623153
CEO: Nathaniel K. Zelazo
President: Ronald E. Zelazo
Director of Marketing: Robert D. Seinfeld
Manager, Helicopter Programs: John E. Duffy
Services: Designs & manufactures flight & navigation instruments, CRT displays, symbol generators, autopilots, HUDs, air data & communication systems.

Atc® Flight Simulator
1650 19th Street
Santa Monica, CA 90404
☎213-453-3557 □181149
President: Barry Grant
Marketing Manager: Emmet Ryder
Services: Manufacture flight simulators.

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TELEX 53872

Atlantic Aviation Corporation
233 Industrial Avenue
Teterboro, NJ 07608
☎201-288-1740 □13-4529
President: William Patrick
Vice President/General Manager: Robert J. Greer
Vice President, Marketing: M.S. Graham
V.P., Public Relations: R.J. Ritchie
Manager, Aircraft Maintenance: John Budd
Services: Authorized service center for Aerospatiale, Bell, MBB, Allison, Lycoming. Total support capabilities - maintenance/spares/completions.

Atlantic Richfield Company
P.O. Box 7087
Dallas, TX 75209
☎214-651-5260
Manager/Chief Pilot Aviation: John A. Lyon
Services: Petroleum.

147 **Avco Lycoming**
Williamsport Division
652 Oliver Street
Williamsport, PA 17701
☎717-323-6181
Vice President/General Manager: Howard M. Knutson
Vice President/Sales: Terence R. Passey
Director/Domestic Sales: Vincent J. Mecca
Director of Service: William H. Troy
Services: Engine manufacturer.

Avco Lycoming
Stratford Division
550 S. Main Street
Stratford, CT 06497
☎203-385-2753 □964242
Vice President/General Manager: J.R. Myers
Vice President/Marketing: M.J. Leff
Mgr./Marketing Communications: L.P. Savenelli
Services: Avco Lycoming Stratford Division is a leading manufacturer of gas turbine engines for commercial & military helicopters.

Aviall
7555 Lemon Avenue
Dallas, TX 75209
☎214-357-1811 □730601
President: R.G. Lambert
Vice President/Marketing: James R. Rigby
Executive V.P./General Manager: Peter D. Blakely
Services: Major worldwide repair source for airline and general aviation & distributor of aircraft parts & supplies. Aircraft support services.

Aviation Analysis, Inc.
P.O. Box 3570
Carson City, NV 89702
☎702-246-5023
President: Gary P. Cocanour
Services: Aviation computer software.

Aviation Consulting Incorporated
1615 Northern Boulevard
P.O. Box S Manhasset, NY 11030
☎516-627-7676 □647044
President: James E. Colburn
Senior Vice President: John J. Dugan
Vice President: Noel G. Preston
Chairman: R. Dixon Speas
Services: Management consulting services, safety evaluations, comparative analyses and fleet plans, mishap investigations and market planning.

Aviation Equipment Maintenance Magazine
7300 N. Cicero Avenue
Lincolnwood, IL 60646
☎312-588-7300
Publisher: Jack J. Howlett
President: Taylor R. Kennedy
Editor: Paul Berner
Sales Promotion Manager: Arthur J. Kinnuns
Services: Publishing.

173 **Aviation Instrument Manufacturing Corp. (AIM)**
817 Dessau Road
Austin, TX 78753
☎512-251-2351 □767130
President: Don Castleberry
Vice President/General Manager: Don Bigbee
Vice President, Avionics: Dale Castleberry
Marketing Manager: Russell K. Mullins
Services: Avionics and instrument manufacturer.

174 **Aviation Instrument Services, Inc.**
12213 S.W. 131st Avenue, Bldg. A-7
Miami, FL 33186
☎305-251-7200 □525110
President: James J. Sensale
Secretary: Miriam Sensale
Services: Sale and distribution of aircraft instruments.

Aviation Maintenance Publishers, Inc.
P.O. Box 36
1000 College View Riverton, WY 82501
☎307-856-1582
Chairman: James Kost
President: James G. Davis
Vice President: Ned F. Kost, Jr.
Publisher: Richard Siuniak
Services: Publishing.

Aviation Management Services Corporation
6054 Emerald Court
Boise, ID 83704
☎208-377-8661
President: James Thurston
Services: Aviation management and technical support services.

Aviation Office of America, Inc.
Love Field
Terminal Building
Dallas, TX 75235
☎214-353-1400 □73363
President: Peter O'Grady
Vice President/Marketing: William H. Gossell
Services: Aviation Office of America provides worldwide underwriting facilities for the aviation insurance industry, including helicopters.

Aviation Translators, Inc.
1999 Amidon, Suite 100
Wichita, KS 67203
☎316-832-1137
President: Roberto von Poppenberg
Vice President: James Daley
General Manager: Bryan Clarke
Services: Foreign language technical translators for the aviation industry.

Avio Sales & Service Corp.
P.O. Box 374
Holmdel, NJ 07733
☎201-671-0873 □756-483
President: Lawrence G. Smith, Jr.
Services: Manufacturers rep. (Sales).

Avmar Incorporated
1038 Santerre Drive
Grand Prairie, TX 75050
☎214-641-4677 □730211
General Manager: Thomas Dimuro
Services: Hydraulic research service center for Abex, Aerospatiale and Ronson.

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B & D Instruments, Inc.
209 W. Main Street
Valley Center, KS 67147
☎316-755-1223 ☐437067
President: Howard P. Botts
Vice President/Marketing: David D. Dahl
V.P., Public Relations: John K. Nims
Sales Manager: Dennis Snyder
Services: Manufacture air data computer and displays, cabin clocks and signs, engine instruments.

The BF Goodrich Company
500 S. Main Street
Building 17-F; Department 1806
Akron, OH 44318
☎216-374-3600 ☐423294
Vice President, Aerospace: R. Langford
Manager, Marketing/Sales: John M. Hearty
Marketing Manager: W.H. Dausey
Services: Ice protection systems, erosion materials, flotation systems, life vests, tires, wheel & brakes, rotor brakes.

Baker Electronics, Inc.
1734 Northgate Boulevard
Sarasota, FL 33580
☎813-355-7625 ☐803720
President: E. E. Baker
Vice President/Marketing: Eugene A. Sway
Public Relations: Robert Duffield
Services: Manufacturer of quality audio systems for corporate helicopters and fixed wing aircraft.

Barfield Instrument Corp.
1478 Central Avenue
Atlanta, GA 30344
☎404-761-4321 ☐887413
Atlanta Branch Manager: Ernie Kennemore
Services: Helicopter, commuter, general aviation instrument overhaul and exchange. T/E sales.

Barfield Instrument Corp.
4101 N.W. 29th Street
Miami, FL 33142
☎305-871-3900 ☐518808
CEO: J.W. Barfield
President: Preston Barfield
Vice President, Marketing: Dave Cochrane
Vice President, Service: Neil Cole
Services: A/C instrument overhaul & exchange service. Manufacturer of ground support test equipment.

244 **Bayly Martin & Fay Aviation Insurance Services Inc.**
3200 Wilshire Boulevard
Los Angeles, CA 90010
☎213-386-8120 ☐674671
President: Ronald A. Hill
Senior Vice President: Richard Gorsuch
Vice President: Roger C. Gustafson
Services: Full service, multi-line insurance brokerage firm. Aviation offices in Anchorage, Washington, California and Philadelphia.

Bayly Martin & Fay International
660 Newport Center Drive
Suite 1000
Newport Beach, CA 92660
☎714-644-7940 ☐692306
Executive Vice President: William Baxter
Services: International insurance brokerage firm, specializing in aviation risks.

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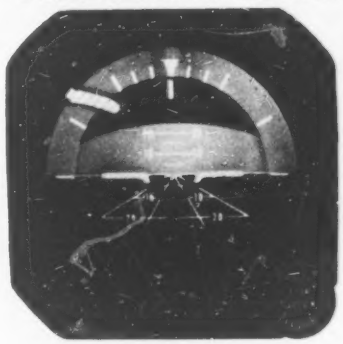

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512/251-2351 Telex 767130

Bayly, Martin & Fay of Washington Inc.
2001 Sixth Avenue
Seattle, WA 98121
☎206-682-3980 ☐328874
President: Elliott S. Tremaine
Senior Vice President: Anthony H. Cowan
V.P./Public Relations: Lila Benson
Services: Insurance brokers.

Bayly, Martin & Fay, Inc.
1700 Market Street
Philadelphia, PA 19103
☎215-561-5700 ☐834567
Senior Vice President: Robert C. Smith
Vice President: Anne B. Salemmo
Services: Aviation insurance - all forms.

Beaufort Air-Sea Equipment Limited
Beaufort Road
Birkenhead, Merseyside, L41 1HQ England
☎051-652-9151 ☐629478
Sales Director: M.J. Corbett
Contracts Manager: A. Southall
Technical Sales Engineer:
P. Stavropoulos
Services: Lifesaving and survival equipment.

231 **Bell Helicopter Textron Inc.**
P.O.Box 482
Fort Worth, TX 76101
☎817-280-2011 ☐758229
President: Leonard M. Horner
Vice President, Marketing: Dwayne K. Jose
V.P., Commercial Marketing: James A. Hamilton
Director of Public Affairs: Carl L. Harris
Services: Rotary wing aircraft manufacturer - sales new and used helicopters.

38 **Bendix General Aviation Avionics Division**
2100 N.W. 62nd Street
Fort Lauderdale, FL 33310
☎305-928-2100 ☐5109559884
President/CEO: D. Travis Engen
Vice President, Marketing: Curtis H. Roberts
Public Relations: Dale Smith
Manager, Marketing Services:
Nancy Lee Petrowski
Services: Design & manufacture of airborne electronics (avionics) including electronic flight instruments (EFIS), COM/NAV/Pulse & digital radar systems

Bertrand Products, Inc.
2323 N. Foundation Drive
South Bend, IN 46628
☎219-234-4181
President: V.F. Miller
Vice President: P.J. Kozak
Vice President: John Malec
Quality Control Manager: Scott Carlson
Services: Precision aircraft and helicopter parts manufacture.

A. Biederman Inc.
1045 Air Way
Glendale, CA 91201
☎213 246-8431 ☐677204
President: Richard Rockwood
Services: Sales and service of aircraft and industrial instruments. FAA repair station 197.

Boeing of Canada Ltd.
99 Murray Park Road
Winnipeg, MB R3J 3M6, Canada
☎204-888-2300 ☐0757309
Vice President: Lyle L. Bryson
Director/Marketing: E. Murray Sloane
Technical Sales Manager: Robert (Bob) D. Palmer
Services: Aircraft component manufacturer, repair and overhaul of plastics.

C3 **Boeing Vertol Company**
P.O. Box 16858
Philadelphia, PA 19142
☎215-522-2121 ☐845205
President: Joseph Mallen
Director/Marketing: John Hayden
Vice President/Engineering: Ken Grina
Vice President/JVX Program: C.W. Ellis
Director/Helicopter Products: W.P. Jones
Services: Helicopter manufacturer.

Breeze Eastern Corporation
700 Liberty Avenue
Union, NJ 07083
☎201-686-4000 ☐138212
President: Ralph Hutchins
Director of Marketing: Robert Reese
Vice President, Marketing: Matthew Lyon
Customer Service Supervisor: Bernard Fine
Services: Manufacturer of hooks, hook suspensions, nets, helicopter lifting attachments and chain or web tie down assemblies.

Breitling, Halcyon Watch Co.
47 Water Street
Norwalk, CT 06854
☎203-853-2141
President: Brian Pennell
Booth Coordinator: Gregory Gladstone
Services: Watch importing and sales

Bristol Aerospace Limited
P.O. Box 874
Winnipeg, MB R3C 2S4, Canada
☎204-775-8331 ☐0757774
President: Robert R. May
Vice President/Marketing: Keith F. Burrows
Executive Vice President: J. A. Bowden
Marketing Manager: Robert R. Dungey
Services: Airframe and jet engine component manufacturer. R&O, R&D, helicopter wire strike protection system.

Bruce's Custom Covers
999 Independence Street
Department C-7
Mountain View, CA 94040
☎415-493-5131 ☐9103707457
Owner: Bruce Perch
Services: Manufacturer of helicopter and aircraft custom-made covers.

220 **Business & Commercial Aviation**
(News America Corporation)
221 Hangar C-1
Westchester County Airport
White Plains, NY 10604
☎914-948-1912 ☐709587
Publisher: David W. Ewald
Editor & Associate Publisher: John W. Olcott
Advertising Director: G.W. Worden
Services: Monthly business magazine serving worldwide operators of fixed and rotary wing aircraft.

C.E. Heath & Co. (Aviation) Ltd.
150 Minories
London EC3N 1NR, England
☎01-488-2488 ☐8813001
Executive Director: R. Marsh
Services: Insurance brokers.

CMC Electronics, Inc.
1 Madison Street
E. Rutherford, NJ 07073
☎201-777-1662
Marketing Manager: D. Hanley
Services: Sales, repair, overhaul of Omega navigation systems and instrumentation.

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12213 S.W. 131st Avenue, Bldg. A-7, Miami, Florida 33186
Tel: (305) 251-7200 Telex: 52-5110 APS-MIA

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California Helicopter International
11601 Pendleton Street
Sun Valley, CA 91352
☎818-767-2032 □677331
President: Gary Podolny
Executive Vice President: Harry R. Smith
Vice President/General Manager: Jake Dangle
Services: Airframe remanufacturing, conversion and overhaul/repair station (FAA certified).

John Cameron Aviation
Hangar 473
Bankstown Airport
Sydney, NSW, 2200, Australia
President: J. W. Cameron
Chief Engineer: R. J. Stark
Services: Manufacture helicopter accessories.

211 **Camp Systems, Inc.**
Long Island MacArthur Airport
Ronkonkoma, NY 11779
☎516-588-3200 □144577
President: Daniel J. Ryan
Senior Vice President: Wayne G. Hoppner
Vice President/Marketing: Robert B. Leonard
Vice President: Anthony F. Costa
Services: Computerized aircraft maintenance program services - CAMP & SCAMP; on-line services - dispatch and inventory control.

Campbell & Associates
1704 W. Olive Street
Porterville, CA 93257
☎209-781-5748 □292554
President: Joseph Campbell
Services: Helicopter sales.

Canadair Limited
P.O. Box 6087
Station A
Montreal, PQ H3C 3G9, Canada
☎514-744-1511 □05826747
Supervisor/Exhibits & Displays: G. Bond
Services: Airframe manufacturer.

Canadian Marconi Company
Avionics Division
2442 Trenton Avenue
Montreal, PQ, H3P 1Y9, Canada
☎514-341-7630 □05827822
President: P.E. Wheatley
Group V.P. Electronics: J.H. Simons
Vice President, Avionics: L. Leveille
Marketing Services Manager: R. Hart
Services: Design, manufacture, sales of Omega and Doppler navigation systems, intelligent cockpit instrumentation and digital avionics.

Cardion Electronics
895 Waverly Avenue
Holtsville, NY 11742
☎516-289-6200 □5102282653
President: Paul Holcombe
Vice President, Marketing: James Murphy
Vice President, NAV/AID, Met.: Allen Greenberg
General Marketing Manager:
William C. Hackenberg
Services: FAA approved FAR Part 171 heliport ground avionics eligible for funding under the Airport/Helicopter Improvement Program (AIP).

Carter Engineering Co., Inc.
232 S. Glasgow Avenue
Inglewood, CA 90301
☎213-649-0111 □9103286181
President: G.W. Carter
Director of Marketing: C.R. Wilson
Chief Engineer: George Leventis
Services: Manufacturer & distributor: headsets, helmets, microphones, audio mixer systems, airborne searchlights and PA/siren units.

175 **Casey Copter Accessories, Ltd.**
P.O. Box 121
Mtl AMF
Dorval, PQ H4Y 1A5, Canada
☎514-636-6155 □05821574
President: Anthony J. Casey
Vice President/Marketing: Michael J. Casey
Services: Manufacturer of Casey Shroud Heaters for Bell 206, Hughes 500, MBB BO105 and Agusta 109.

50 **Castleberry Instruments & Avionics**
817 Dessau Road
Austin, TX 78753
☎512-251-3441 □767130
President: Don R. Castleberry
General Manager: D. Bigbee
Marketing Manager: Russell Mullins
Manager, Rotary Wing: Michael J. Morgan
Services: New/exchange sales, overhaul/repair/certification of rotor-wing & fixed- wing aircraft instruments.

Cessna Aircraft Company
P.O. Box 12730
Wichita, KS 67277
☎316-946-7583 □417445
General Manager: Bill Hogan
Sales Manager: Gordon Collins
Manager, Administration: Roger Martin
Services: Largest manufacturer of general aviation aircraft; sales and manufacturers.

Chadwick, Inc.
11969 S.W. Herman Road
Sherwood, OR 97140
☎503-692-0570 □360652
President: Russell D. Chadwick
Executive Vice President: Margie L. Chadwick
Vice President, Marketing: Daniel Graaf
Marketing Manager: Laurie Parsons
Services: Manufacturers of agricultural, cargo, fuel, fire-fighting systems, and electronic aircraft scales for ground support.

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Canadian technology has created one of the world's finest helicopter cabin heaters — the **CASEY HEATER,** the ultimate in efficiency. This is the best blend of reliability, effectiveness and high heat output . . . with no loss of horsepower, no fuel consumption and lower operating costs than competing heaters.

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Box 121, Montreal AMF,
Dorval, Quebec,
Canada, H4Y 1A5.

or call: Michael Casey (514) 636-6155

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Chadwick-Helmuth Co.
4601 N. Arden Drive
El Monte, CA 91731
☎213-575-6161 ☐194271
President: James Chadwick
Field Services Engineer: Roger Fick
Services: Track & balance equipment used on helicopter and propeller rotors.
Manufacturer of VIBREX.

Champion Spark Plug Company
P.O. Box 910
Toledo, OH 43661
☎419-535-2461 ☐212532
Director, Aviation Sales: Robert D. O'Donnell
Services: Manufacturers of aviation spark plugs, jet igniters, oil filters.

Chandler Evans
Charter Oak Boulevard
West Hartford, CT 06101
☎203-236-0651 ☐99286
President: Jack O. Nash
Vice President/Marketing: John M. Maljanian
Manager/Product Support: F. DeFronzo
Services: Main fuel pumps for aircraft engines; aircraft engine controls; missile flight controls.

Chase, Rotchford, Drukker & Bogust
606 S. Olive Street
Los Angeles, CA 90014
☎213-626-8711
Partner: Vincent Fish
Services: Aviation defense law firm.

Chelton, Inc.
P.O. Box 711
Lewisville, TX 75067
☎214-221-1783 ☐795555
President: Geoff Cooper
Vice President: William J. Garlough
Marketing Director: Michael S. Wilkerson
Services: Manufacturers of antennas, homing systems, static dischargers and test equipment.

176 **Christie Electric Corporation**
20665 Manhattan Place
Torrance, CA 90501
☎213-320-0808 ☐910-349-6260
President: Tom E. Christie
Vice President, Marketing: Fred Benjamin
Sales Manager: Bill Sewalk
Services: Christie manufactures high current DC power supplies and battery chargers — ground power support equipment for the helicopter industry.

Chromalloy Division-Oklahoma
1720 National Boulevard
P.O. Box 10699
Midwest City, OK 73034
☎405-732-6811 ☐748599
Executive Vice President: James L. Reum
V.P., Marketing & Engineering: Daniel R. Stoller
Director of Marketing: E. Eldon McDonald
Marketing Manager: Edward E. Groseclose
Services: Manufacture, overhaul and repair of turbine engine components.

177 **David Clark Company Incorporated**
360 Franklin Street
Worcester, MA 01604
☎617-756-6216 ☐920482
President: John E. Flagg
Vice President: Darald R. Libby
General Sales Manager: Robert J. Murphy
Aviation Products Manager: Ronald F. Premo
Services: Manufacturer: noise attenuating headsets with noise cancelling microphones, helmet/headsets with microphones and voice activated intercoms.

49 **Collins Avionics**
Rockwell International
400 Collins Road N.E.
Cedar Rapids, IA 52498
☎319-395-2978 ☐464421
President, Rockwell International: Donald R. Beall
President, Collins: James L. Churchill
Exhibits/Marketing: Raymond A. Walsh
Services: Manufacturer of flight control, navigation and communication systems.

Comant Industries, Inc.
3021 Airport Avenue
Santa Monica, CA 90405
☎213-390-6694
Vice President/General Manager: L. Brown
Services: Manufacturer of aircraft antennas and components.

Commercial Credit Equipment Corporation
300 Saint Paul Place
Baltimore, MD 21202
☎301-332-2863
Vice President, Marketing: Don Mikesell
Director, Product Development: Allen Qualey
Services: Worldwide lender providing loans and leases for the acquisition of all types of aircraft and related products.

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Christie – a name you can trust. Since 1929 Christie has been the name in battery chargers and power starting carts.

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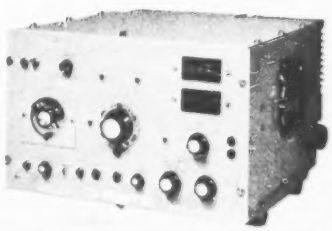
Christie chargers are efficient, keeping batteries cool. Christie chargers rejuvenate most rejected batteries. Christie chargers continuously show battery state-of-health. Does yours?

If you are bored by now, tired of the comparison. Take a good look and be a Christie owner. Ask for our "R" and "DF" bulletins.



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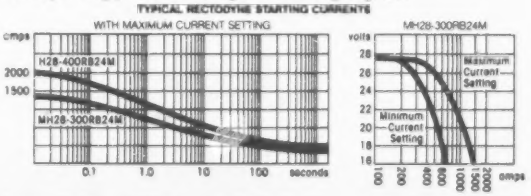
Known for many years as Rectodynes, these husky power converters provide fast, reliable and safe starts. Engines get spooled up promptly, saving your on-board batteries. Equally efficient at running avionics, radio and air conditioning, during servicing or passenger loading. The Christie RECTODYNE is your best choice. Ask for our "RA" bulletin.

Each RECTODYNE has two current ratings – one for continuous avionic servicing, and a much higher one for short periods of time at correspondingly reduced voltages for starting engines.



CHRISTIE

20665 Manhattan Place • Torrance, California 90501 • 213-320-0808 • 800-421-2955 • TWX 910-349-6260

43 **Communicatons Specialists Inc.**
426 W. Taft Avenue
Orange, CA 92665-4296
☎800-854-0547
President: Spence A. Porter
Vice President, Marketing: Mike Beveridge
Chief Pilot: Mike Klein
Services: Manufacturer of the TR-720 handheld airband transceiver.

Composite Technology, Inc.
P.O. Box 8219
Stockton, CA 95208
☎209-466-4285 □359435
President: Keith Harvey
General Manager: Herb Lord
Sales Manager: Dana H. Kerrick
Services: Repair, overhaul, sales & rental of main and tail rotor blades. Factory and FAA authorized service center for composite and metal blades.

Computer Training Systems, Inc.
218 Rue Louis XIV
Suite D
Lafayette, LA 70508
☎318-984-1096
President: James Boots
Vice President, Sales: James R. Boots
Services: Helicopter computerized training.

Computing Technologies For Aviation (CTA)
P.O. Box 7624
Charlottesville, VA 22906
☎804-971-7624
Chairman: Neil A. Armstrong
President: C.E. Cook, Jr.
Vice President: F. Powell
Manager: Page Wittkamp
Services: Computing services — scheduling, reports, maintenance, airline interface, weather and flight plan interface; in house.

Connecticut Machine Products, Inc.
45 Davids Drive
Hauppauge, NY 11788
☎516-231-9400 □144646
President: David A. Yarom
Vice President: Isaac Robinson
Director, International Marketing: Henry Rom
Services: Manufacture and supplier of spare parts for helicopter engines and airframes.

Costruzioni Aeronautiche Giovanni Agusta S.p.A.
Via Sicilia 43
00187 Roma, Italy
☎0331 220478 □332569
Honorary Chairman: Corrado Agusta
Vice President: Pietro Fascione
Services: Manufacturer of Agusta designed helicopter. Sikorsky, Bell and Boeing Vertol overhaul and repair.

Custom Aircraft Interiors
333 Industrial Avenue
Teterboro Airport
Teterboro, NJ 07608
☎201-288-9050 □642872
President: Pat Cesaro
Vice President: Fred Viasso
Sales: Jane Palkoski
Services: Design, modification and completions of interior components.

184 **Cyberstar**
5000 Flightline Drive
Santa Rosa, CA 95401
☎707-546-2222
President: Dale J. Thompson
Vice President, Marketing: Joyce DeWitt
Director of Marketing: John R. Dorenbecher
Services: Design and manufacture turbine engine monitor system, bar graph engine indicators with solid state design and Bard data computer.

D + C — Airparts Corporation
P.O. Box 700
Hialeah, FL 33011
☎305-887-7314 □515575
President: Michael P. Carrabba
Vice President, Marketing: Robert F. Carbon
Vice President, Production: Angel J. Palacio
Sales: Jonathan R. Marquardt
Services: Sales, service & overhaul of all types of nickel cadium batteries and cells. Manufacture, service & sales charging/analyzing systems.

Dale & Company Limited
1155 Dorchester West
24th Floor
Montreal, PQ H3B 323, Canada
☎514-866-6561 □05562178
President: John C. Meen
Vice President, Director: Jacques Rene de Cotret
Services: Insurance brokers.

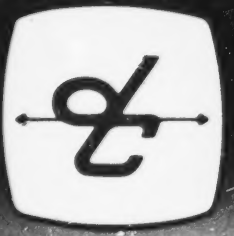
Daniel Systems, Inc.
Hangar 102
Opa Locka Airport
Opa Locka, FL 33054-2327
☎305-685-6286 □518748
President: Raymond Shinkle
Vice President Marketing: Gareth Schuler
U.K. Agent: Ian Parkinson
Services: Computerized programs for maintenance, spares inventory and operations.

179 **Daniels Manufacturing Corp.**
6103 Anno Avenue
Orlando, FL 32809
☎305-855-6161 □564321
President: William A. Daniels
Vice President, Marketing: George G. Daniels
Director of Public Relations: Thomas J. Dedo
Sales & Marketing Manager: John Jago-Ford
Services: Connector maintenance systems, ground support equipment and hand & tool kits.

Dart Aero Systems, Inc.
5811B Cedarbridge Way
Richmond, BC, V6X 2A8, Canada
☎604-270-2313 □04357705
President: Jim Bradley
Vice President: Linda Bradley
Services: Manufacturer and distributor of the (EMPRA) Emergency Multiple Person Rescue Apparatus for the offshore oil and marine rescue industries.

Dayton-Granger, Inc.
812 N.W. First Street
Fort Lauderdale, FL 33311
☎305-463-3451 □5109559760
President: J.D. Cline
Executive Vice President: G.D. Cline
Vice President, Marketing: Jerry Fricke
General Manager, Martech, Inc.: Jack D. Chapdelaine
Services: Manufacturer of airborne antenna systems, electrostatic protection equipment, lightning protection devices and portable survival radios.

ALMOST ALL HELICOPTER PILOTS WEAR



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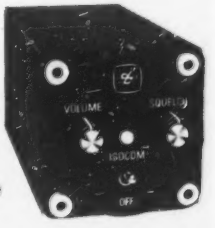
Series "J" HELMET/ HEADSET
Head protection and hearing protection, plus it's lightweight and ventilated for maximum comfort.

Noise-Attenuating HEADSET
With your choice of noise-canceling microphones, cords and plugs.

New ISOCOM™ voice-activated intercom
The only way to communicate in a noisy cabin. You can carry on a normal, hands-free conversation.



For all the details, call or write:

David Clark
COMPANY INCORPORATED
376 Franklin St., Worcester, MA 01604
(617) 756-6216 Telex: 920482

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105 **DeVore Aviation Corporation**
6104B Kircher Boulevard, N.E.
Albuquerque, NM 87109
☎505-345-8713 ☐660436
President: Gilbert DeVore
Executive Vice President: Daniel Karp
Vice President: Arnold Robinson
Services: Design, manufacture and sales of "TEL-TAIL," PLASI visual landing aid; and engineering consultants/DER's - aircraft mods.

Delaney Insurance Services
101 Embarcadero Street
Room 104
San Francisco, CA 94105
☎415-781-1441 ☐470242
President: David P. Delaney
Division Manager: William L. Colliot
Services: Insurance

Delta Rotorcraft Ltd.
Vancouver Airport South
4400 Agar Drive
Richmond, BC V7B 1A3, Canada
☎604-276-9878 ☐04357597
President: Daniel T. Dunn
Marketing Manager: Kenneth C. Blackwood
Chief Inspector: Fred Baker
Services: Complete helicopter support — component O/H, major A/F inspection & repair, line maintenance, avionics instruments & repair, A/C painting N.D.T. & battery deep cycle.

65 **Dome & Margolin, Inc.**
2950 Veterans Memorial Highway
Bohemia, NY 11716
☎516-585-4000 ☐5102286502
Vice President, Marketing: Richard O'Neill
Services: Airborne communications/navigation antennas & search and rescue equipment including ELT's and homing systems.

Downing Electronics, Inc.
10218 Donna Avenue
Northridge, CA 91324
☎213-360-3791
President: James R. Downing
Services: Manufacturer of heliport lighting systems and prefabricated heliports.

Eastern Aero Marine
3850 N.W. 25th Street
Miami, FL 33142
☎305-871-4050 ☐514737
President: Samuel Orochink
Services: Eastern Aero Marine manufactures air/sea survival equipment, FAA repair station 4341, inflatables and compressed gas systems.

Eberhard Klemens
P.O. Box 3728
Oakbrook, IL 60521
☎312-579-0032
Owner: E. Klemens
Services: Helicopter leasor (206L-1, 300C-1)

Ed Marshall Insurance, Ltd.
P.O. Box 631
Salem, VA 24153-0631
☎703-389-9383 ☐829472
President: Thomas C. Cook
Services: Aviation insurance agents.

Electronic Display Systems, Inc.
2321 Topaz Drive
Hatfield, PA 19440
☎215-822-6090 ☐846113
President: Dr. Derick Jones
Director, Marketing: Frank LeVien
Manager, Engineering: Niel Mazurek
Marketing Assistant: Susan Steinly
Services: Design and manufacture of dichroic liquid crystal displays & liquid crystal display modules.

70 **Embry-Riddle Aeronautical University**
Center for Independent Studies
Star Route Box 540
Brunnell, FL 32010
☎904-673-3180
Interim President: Jeffery H. Ledewitz, Ph.D.
Director: Thomas W. Pettit
Provost: Carl H. Lippold, Ph.D.
Provost: Paul S. Daly
Provost: Charles S. Williams
Services: Accredited independent study program offers 2 aviation bachelor degrees designed for home study. Associate, bachelor, & masters, flight & A&P training offered at 3 campus locations.

Energy Tactics, Inc.
P.O. Box 400
Bohemia, NY 11716
☎516-924-5300
President: Stan Drake
Services: Electric power generators.

Enstrom Helicopter Corporation
Twin County Airport
P.O. Box 277
Menominee, MI 49858
☎906-863-9971 ☐263451
General Manager: Robert S. Kroll
Vice President, Marketing: Robert L. Jenny
Services: Manufacture three-place turbocharged piston helicopters for utility, executive transport & pleasure markets. Auxilary fuel systems for transport aircraft.

Executive Instruments, Inc.
P.O. Box 216
4141 Lindberg Drive
Addison, TX 75001
☎214-239-0231 ☐73368
Vice President: Wayne Holmes
Operations Manager: James R. Garrett
Services: Certified repair facility for instruments.

FAS-Orient (Pte.) Limited
Changi P.O. Box 36
9150 Singapore
☎5459-455 ☐26820
Managing Director: R.H. Knowles
Engineering Director: K.H. Chui
Marketing Director: Dinesh R. Patel
Quality Control Manager: N.W. Burton
Services: Overhaul & supply of helicopter dynamic & hydraulic components, safety equipment, pressure vessels, hose fabrication & other supply services.

FFV Maintenance
Aero Engineering Division
S-58182 Linkoping, Sweden
☎4613109100 ☐50026
President: Thure Svensson
Technical Manager, Aircraft: Hans Molander
Services: Repair, overhaul & modifications of helicopter airframes, hydraulic & fuel systems, dynamic components, rotor blades, radio-radar-navigation, instruments & engines.

FPT Industries, Ltd.
The Airport
Portsmouth
Hampshire P0E 5PE, England
☎0705-662391 ☐86106
Managing Director: C.F. Cooper
Commercial Director: W.B.D. Wardle
Techincal Director: E.A. Watson
President, FPT Inc.: E.J. Paisley
Services. Manufacture and repair/overhaul all types flexible fuel cells plus emergency flotation equipment and other inflatables.

74 **Facet Enterprises, Inc.**
Filter Products Division
8439 Triad Drive
Greensboro, NC 27409-9621
☎919-852-6800 ☐5109227331
Group Vice President: Thomas J. Robertazzi
Director, Marketing: James F. Frahm
Chief Engineer: Anthony Simone
Supervisor, Inside Sales: Dianne Vander Beek
Services: Manufactures filters - engine & airframe mounted for fuel, lube oil, hydraulic & transmission; ground support filter water separaters, aircraft carburetors.

203 **Fairchild Control Systems Co.**
1800 Rosecrans Avenue
Manhattan Beach, CA 90266-3797
☎213-643-9222 ☐9103256216
President: D.A. Petkelis
Director, Business Developement: W.C. Waskey
Business Segment Director: M. Figoff
Marketing Manager: J. Martin
Services: Lightweight, compact vapor cycle cooling systems designed to aerospace quality standards for helicopters and turbine driven aircraft.

Finalco Group Inc.
P.O. Box 3606
McLean, VA 22103
☎800-FIN-ALCO
President: Jon J. Prager
Product Manager, Aircraft: Donald G. Gies, Jr.
Services: Lease financing for corporate and commercial aircraft both fixed and rotary wing.

21 **Fitz-Wright Suits Ltd.**
17919 Roan Place
Surrey, BC, V3S 5K1, Canada
☎604-576-9424 ☐0450208
Vice President of Operations: Brian Zientek
Research & Development Manager: Peter Rowe
Sales Manager: Ron Ullman
Services: Manufacture safety apparel for marine use.

Flight Accessory Services
11310 Sherman Way
Sun Valley, CA 91352
☎213-875-2930 ☐698154
President: Gordon Rusk
Vice President/General Manager: Lynn Fortner
Vice President, Marketing: Richard Fortner
Marketing Administrator: Cyndi Hill
Services: Overhaul and repair of hydraulic flight controls.

Flight International Magazine
Business Press International (USA)
205 E. 42nd Street
New York, NY 10017
☎212-867-2080 ☐238327
U.S. Advertising Sales Manager: Dean P. Kelly
Services: Publishing.

Flight Suits, Ltd.
1675-D Pioneer Way
El Cajon, CA 92020
☎619-440-6976 ☐295478
President: James A. Wegge
Services: Manufacture flight suits, jackets, gloves, helmets. SPH-4 helmets and parts available.

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FlightSafety International
Marine Air Terminal
LaGuardia Airport
Flushing, NY 11371
☎212-565-4100 □66586
President: A.L. Ueltschi
Executive Vice President: Bruce N. Whitman
Vice President, Marketing: James S. Waugh
Director, Marketing Services: James E. Swickard
Services: Pilot/mechanic training. Pilot training school.

Flying Magazine
Ziff Davis Publishing Company
One Park Avenue
New York, NY 10016
☎212-725-3828
Publisher: Jay Durfee
Editor: Richard L. Collins
Advertising Manager: Patricia E. Luebke
Services: Monthly consumer magazine for aviation-oriented business executives. Editorial includes pilot reports on fixed and rotary wing aircraft, safety and technique.

Foster Airdata Systems, Inc.
7020 Huntley Road
Columbus, OH 43229
☎614-888-9502
Chairman: George Foster
President: Michael Smyser
Sales Manager: Dennis Schmidt
Services: Avionics manufacturer - RNAV, VNAV and long-range navigation (LORAN C).

Frank B. Hall International Aviation
3200 Wilshire Boulevard
Los Angeles, CA 90010
☎213-386-3700 □194144
President: John Cizek
Executive Vice President: Joseph D. Mankawich
Senior Vice President: William Newell
Services: Specialists in aviation insurance of all types.

Frasca International, Inc.
606 S. Neil Street
Champaign, IL 61820
☎217-359-3951 □206549
President: Rudy A. Frasca
Vice President, Marketing: John B. Huismann
Project Director: John A. Frasca
Project Director: L. Martin Hendrickson
Services: Manufacturer of rotary and fixed-wing flight simulators.

Frontier Pacific Aircraft Industries, Inc.
3215 E. Spring Street
Long Beach, CA 90806
☎213-595-1261 □656485
President: Rick Schorling
General Manager: John A. Hauck
Director of Maintenance: Richard McNeely
Services: Helicopter sales, service parts, manufacturing.

Fuji Industries Corporation
2811 Wilshire Boulevard
Santa Monica, CA 90403
☎213-829-4774 □652476
President: Y. Nakano
Vice President, Marketing: K. Nakano
General Manager: Y. Murakawa
Services: Exporters of helicopter parts.

The GIC Group
P.O. Box 1291
15 River Street
New Rochelle, NY 10801
☎914-576-2702
President: Stephen G. Glatzer
Vice President: Joseph De Lorenzo
Assistant to the President: J. Goodman
Services: Manufacturers of emergency locator transmitters; direction finders; "Super Sensitive Receivers;" voltmeters; replacement batteries for ELTs.

Gables Engineering, Inc.
P.O. Box 140890
Coral Gables, FL 33114
☎305-442-2578 □441107
President: Victor E. Clarke
Vice President, Operations: Charles E. Rogers
Sales Manager: Terry Parsons
Services: Audio & avionics control/display unit manufacturer.

The Garrett Corporation
9851 Sepulveda Boulevard
P.O. Box 92248
Los Angeles, CA 90009
☎213-776-1010 □2136704985
Vice President, Sales: R. Trusela
Director, Aircraft Propulsion: Ned Dobak
Senior Chief Engineer: J.P. Frignac
Corporate Manager, Exhibits: Richard E. Callison
Services: Engine & equipment manufacturer.

General Aviation Branch
Parker Hannifin Corporation
711 Taylor Street
Elyria, OH 44036
☎216-323-4676 □243414
Vice President, Eastern Branch: R.F. Ferrel
Group Director of Marketing: Kent R. Kelly
Account Manager/Aftermarket Sales: Sydney F. Reames
Account Manager/Aftermarket Sales: Rodger F. Dickson
Services: Centralized marketing group for Parker General Aviation Divisions which manufacture aircraft fuel products, pneumatic & hydraulic systems & components.

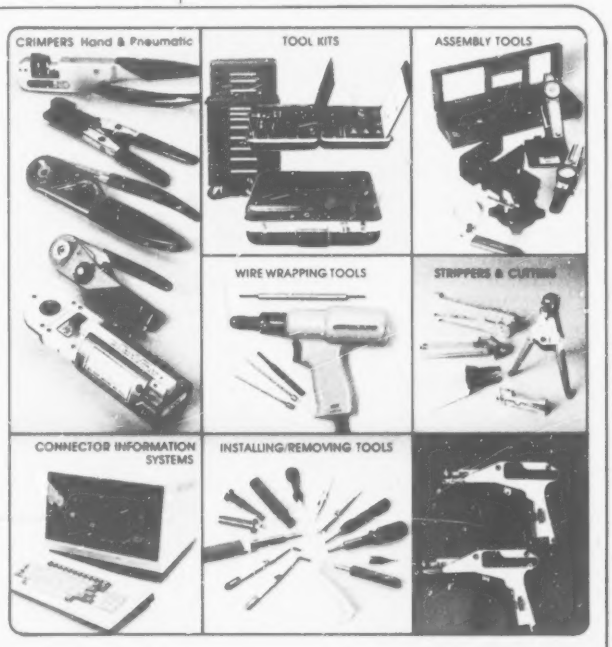
10 **General Electric Company**
1000 Western Avenue
11 Lynn, MA 01910
☎617-594-7617 □6817065
General Manager: L.A. Bevilacqua
Manager, Press Relations: Robert Salvucci
Services: Development & manufacture of helicopter engines for military and commercial use.

General Electric Credit Corp.
206 Danbury Road
P.O. Box 804
Wilton, CT 06897
☎203-834-1105
Vice President, Marketing: J.J. Canning
Aircraft Marketing Manager: R.A. Lever
Services: Financing and leasing of new and used helicopters.

General Hydraulics Corporation of Florida
4000 N.W. 29th Street
Miami, FL 33142
☎305-871-3383 □807136
General Manager: Carlos Delgado
Services: Overhaul and repair of aircraft components.

DANIELS ...

...The Complete Source for Connector Maintenance and Repair and Wire Terminating Devices



DANIELS MANUFACTURING CORPORATION
6103 ANNO AVENUE ORLANDO, FLORIDA 32809 USA
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For more information on HAI management seminars, write or call:
HAI Safety & Education Department
1110 Vermont Ave., N.W., Suite 430,
Washington, D.C. 20005
Telephone: 202-466-2420. Telex: 89-615.
Or return the information reply card on page 208.

Helicopter Association International

Geophysical Service Inc.
P.O. Box 225621
Dallas, TX 75265
☎214-995-7680
Vice President: Harry Lake
Personnel: Al Wynn
Safety: Bill Turney
Aviation Safety: Peter E. Laux
Services: Geophysical - oil and gas exploration.

Geostar Corporation
101 Carnegie Center
Suite 302
Princeton, NJ 08540
☎609-452-1130
President/CEO: Gerard K. O'Neill
Vice President, Marketing: Michael J. Breslin
Vice President/Administration:
T. Stephen Cheston
V. President/Research & Tech.: Leslie O. Snively
Executive Assistant: Valerie J. Hallgren
Services: Research and development — communications.

Geteca, USA-France
5535 Balboa Boulevard
Suite 202
Encino, CA 91316
☎213-995-3655
President: Jean-Claude Parmentier
Executive Vice President: Arnold Brema
Services: Representing major French aircraft and aerospace equipment manufacturers in North America.

Global Systems, Inc.
2144 Michelson Drive
Irvine, CA 92715
☎714-851-0119 □681340
Vice President/General Manager: J. Douglas Cline
Vice President, Marketing: Gary Glynn
Manager, Marketing Services: Michael Sodern
Services: GNS-500 VLF/OMEGA navigation system. NDB-2 navigation data bank.

Gold Nugget
P.O. Box 13 EE
San Antonio, TX 78201
☎512-696-4644
Owner: Bobby L. Watson
Services: Manufacturer of gold insignia.

Graphic Datakits International
P.O. Box 8446
Fort Worth, TX 76124
☎817-451-2151 □732561
President: James S. Neely
Vice President, Marketing: Jim Brown
Services: Supplies electrical connector tooling, including insertion & extraction tools. Manufactures connector tooling systems for A/C with instructions.

Gulf Oil Corporation
Hobby Airport
8410 Larson Street
Houston, TX 77061
☎713-754-2689
Helicopter Specialist: Chuck Setzer
Services: Helicopter user.

Guil, Inc.
395 Oser Avenue
P.O. Box 9400
Smithtown, NY 11787
☎516-231-3737 □968518
President: Peter D. D'Agrosa
Vice President, Marketing: Robert S. Hultmark
Sales: Walter Brown
Services: Instrumentation avionics manufacturing.

HR Textron, Inc.
25200 W. Rye Canyon Road
Valencia, CA 91355-1265
☎805-259-4030 □651492
President: Samuel X. Garcia
Vice President, Marketing: Louis A. Drazin
Public Relations: Frank Moss
General Manager, Product Support:
Dwayne P. Ehlers
Services: Manufacturer of hydraulic flight controls, electrohydraulic servovalves, fuel accessories & actuator-associated electronics; overhaul, repair, exchange.

Hamilton Standard
Division of United Technology
Bradley Field Road, M/S 1-2-18
Windsor Locks, CT 06096
☎203-623-1621 □994439
President: John Lovkay
Vice President, Marketing: Andrew Voorhis
Assistant to V.P., Marketing: Cliff Gerbe
Services: Manufacturer of environmental control, fuel control and flight control systems. Overhaul and repair of helicopter components.

Hansome Energy Systems
365 Dalziel Road
Linden, NJ 07036
☎201-862-9044
President: Harris Shapiro
Treasurer: Albert Reposi
Division Manager: Stanley Chait
Services: Manufacturer of ground power equipment battery powered with internal engine-generator/charger.

Hawker Pacific Pty. Ltd.
4-8 Harley Crescent
Condell Park, NSW 2200, Australia
☎02-708-8555 □AA21168
Managing Director: C.M. Ryland
Technical Service Director: I.S. Gregg
Technical Manager: R.E. Wilson
Sales/Service Manager: A.H. Hendry
Services: Maintenance/overhaul: rotary wing maintenance approval (D.O.A. Australia) up to 10,000KG. Allison 250, Continental & Lycoming piston engine overhaul. D.O.A. approved training school.

Hazeltine Corporation
Cuba Hill Road
Greenlawn, NY 11740
☎516-261-7000 □967800
President: S.J. Nuzzo
Vice President, Marketing: J.R. Colarusso
Director, Public Relations: J.W. Evans
MLS Marketing Manager: S. Leibman
Services: ICAO standard microwave landing systems for airports and heliports and special applications where precision IFR approaches are required.

Heavylift Marketing Inc.
330 N. Belt East
Suite 211
Houston, TX 77060
☎713-445-7113 □775132
Chairman: Captain P. McGoldrick
Vice President: Alastair L. MacLeod
Services: Represents airline specializing in long range transport of bulky and heavy air freight. Transport system for helicopters.

Heli Orient (PTE.) Ltd.
East Camp
Seletar Airfield
2879 Singapore
☎4815311 □RS24675
Managing Director: D.A. Bayne
Director, Finance: R. Grant
Manager, Sales: A.S. George
Manager, Technical: B. Tutungi
Marketing Director: John H.T. Perera
Services: Customer services facility.

Heli Plex Inc.
424 W. Fork Drive
Arlington, TX 76012
☎817-277-9024 □794979
President: Herman H. Waldrup
Vice President: Floyd E. Hathcoat
Services: Manufacture of replacement helicopter windows & specialty items. Provide consulting engineering services.

Heli-Craft Enterprises
Rural Route 1
Pritchard Drive
Westbank, BC, V0M 2A0, Canada
☎604-768-4141
President: Jack E. Flippo
Services: Manufacturer of Bell 206 bleed heaters.

Heli-Mart Inc.
Atlantic Aviation Center
3355 E. Spring Street, No.3014
Long Beach, CA 90802
☎213-427-0444 □653500
President: Don Nichols
Director of Marketing: Jim Gustafson
Director of Public Relations: Ingrid Niggemann
Administrative Assistant: Jo Lynch
Services: Aircraft buying-selling-brokering; helicopter equipment specialists; overseas marketing; management & consulting U.S.

Helicomb International, Inc.
6956 E. 13th Street
Tulsa, OK 74112
☎918-835-3999 □796168
President: Robert R. Austin
Services: Repair, overhaul, exchange of bonded structural panels on all models of commercial helicopters. Aluminium, pre-preg & nomex materials.

Helicopter Consulting Associates, Inc.
1502 N. Lowery Street
Porterville, CA 93257
☎209-781-4123 □682411
President: Ted L. Olson, Jr.
Services: Cost analyses, model comparison surveys, heliport design, safety evaluations.

Helicopter Financial Services Incorporated
5225 Old Orchard Road, Suite 40
Skokie, IL 60077-9990
☎312-965-5755 □720493
President: Philip Sacks
Vice President, Marketing: Edward W. Eckhart
Financial Vice President: Errol M. Friedman
Advertising Director: Geoff Sutton
Services: Publishers of the "Official Helicopter Blue Book."

Helicopter Leasing & Services, Inc.
4616 W. Alva Street
Tampa, FL 33614
☎813-877-7670 □526590
President: Charles W. Brammer
Vice President, Marketing:
William (Bill) M. Jones
Services: Helicopter sales and service: Bell, Aerospatiale, Hughes, MBB approved factory service center; major structural repairs & overhaul.

Helicopter Logistics, Inc.
P.O. Box 18387
San Antonio, TX 78218-0387
☎512-653-5480 □3787615
President: Robert E. Nokes
Vice President, Marketing: John P. Sharp
Director Of Public Relations: Y.V. Mireles
Sales Manager: L.W. Wickharn
Services: Supplier helicopter spare parts & tools (pri. Sik.); logistics consultants to operators (recommend spares inventories, etc.); operational consultant to end-users.

HELICOPTER International Magazine
75 Elm Tree Road
Locking, Weston-S-Mare
Avon, BS24 8EL, England
☎0934-822524 □44220
Publisher: Elfan ap Rees
Business Director/Advertising:
Linda L. Cook
Administrator/Subscriptions:
Joan Probert
Researcher: Claire ap Rees
Services: Bimonthly international news journal with fortnightly European news & employment newsletter (HELIDATA) with information service backup.

Helicopter Services, Inc.
State Airport
Warwick, RI 02886
☎401-738-4055
President: Vincent V. Colicci
Secretary/Treasurer: Jesse G. Colicci
Superintendent, Maintenance: James R. Murphy
Chief Mechanic: Gregory A. Gouvin
Services: CRS station 4392, Bell service station, authorized Airwork service center.

Helicopter Technology Company
P.O. Box 3711515
Decatur, GA 30037-1515
☎404-981-7729
President/Owner: Harold W. Symes
Services: Provide services to operators; i.e. Siller Brothers & Rocky Mountain Helicopters, Inc.

Helicopter Training Systems Inc.
8401 Nelms
Houston, TX 77061
☎713-643-1681
President: Richard J. Schoolcraft
Vice President: Theodore J. Schoolcraft
Services: Manufacture primary helicopter flight trainer.

Helicopter Welders of Canada Ltd.
6631D Elmbridge Way
Richmond, BC, V7C 4N1, Canada
☎604-273-9681 □04355820
President: Croft (C.W.) Wilkinson
Services: Airframe structural repair & overhaul; jig & fixture building; precision machining; specialized welding; airframe consulting services.

Helicopter World
The Shephard Press Ltd.
46 London End, Beaconsfield
Bucks, HP9 2JH, England
☎4946-77062 □837851
Managing Director: Alexander D. Shephard
Executive Editor: Paul Beaver
Managing Editor: Marilyn Bell
Advertisment Director: Richard Koldewey
Services: Publishers of Helicopter World (civil edition) & Defence Helicopter World (defence edition) quarterly magazines with annual buyer's guide directories to the helicopter industry.

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Designed for mid-level management and pilots, these seminars provide a forum for problem solving. The seminar covers a wide variety of subjects that are important to safety management and accident prevention.

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For more information, contact:
HAI Safety & Education Department
1110 Vermont Ave., N.W., Suite 430,
Washington, D.C. 20005.
Telephone: 202-466-2420. Telex: 89-615.
Or return the information reply card on page 208.

Helicopter Association International

Helilease International, Inc.
30 N. Raymond Avenue
Suite 406
Pasadena, CA 91103-3916
☎818-449-0753 ☐194250
President: Bruce D. Gray
Vice President, Marketing: Alfred T. Chisholm
Services: Leasing, financing & sales of select helicopter equipment along with consulting services to the industry.

Heliport Systems, Inc. A-E Division
163 Madison Avenue
Morristown, NJ 07960
☎201-540-0011 ☐220883
President: William E. Davis
Vice President: Blair F. Baldwin
Services: Professional heliport site selection, zoning and engineering design with special expertise in cost-effective rooftop heliport construction.

Helitune Ltd.
1 Graham Road
Malvern, Worcester, WR14 1HL, England
☎6845-69292 ☐335626
Managing Director: Noel E. Trigg
Director & General Manager:
David A. Bloxham
Services: Rotor tracking/vibration analysis.

Hermetic Aircraft Instrument Corporation
200 Marine Street
Farmingdale, NY 11735
☎516-694-6780 ☐961329
President: William Brown
Executive V.P./General Manager:
Louis J. Francisco
Vice President, Marketing: Michael J. Harvey
Program Manager: Joseph S. Golden
Services: Warranty & overhaul & repair agency for U.S. & European manufacturers, specializing in French manufactured equipment; also sales & distribution.

23 **Hiller Helicopters**
2075 W. Scranton Avenue
Porterville, CA 93257
☎209-781-8000 ☐682454
President: Gerald J. Tobias
General Manager: Herbert Moseley
Services: Helicopter manufacturer.

Hitchcock Industries, Inc.
8701 Harriet Avenue, South
Minneapolis, MN 55420
☎214-786-4444 ☐730294
Executive Vice President: Gregory T. Hitchcock
Services: Supplier of castings to helicopter manufacturers and non-ferrous foundries.

183 **Hobart Brothers Company**
1177 Trade Road, East
Troy, OH 45373
☎513-339-6000 ☐288265
President: W.H. Hobart, Jr.
Vice President/General Manager: R.P. Williams
Marketing Manager: J.H. Hufford
Public Relations: T.M. Kendall
Services: Manufacture of ground power equipment for use in support for repairs and overhauls and starting assistance.

Honeywell Inc., Commercial Aviation Operations
P.O. Box 889
Minneapolis, MN 55124
☎612-542-4511 ☐29-8110
Vice President and General Manager:
J. R. Dewane
Director of Marketing: R. G. Raymond
Senior Marketing Representative:
Gary C. Hale
Marketing Manager, Business Aviation:
L. J. Vetter
Services: Manufacture laser inertial navigation products.

201 **Houston Casualty**
13403 N.W. Freeway
Houston, TX 77040
☎713-462-1000 ☐775999
Assistant Vice President: Michael Donavan
Assistant Vice President: Bill Halligan
Services: Insurance.

Houston Casualty
3250 Wilshire Boulevard
Los Angeles, CA 90010
☎213-380-1884 ☐674801
Vice President: Don Thomas
Assistant Vice President: Michael Daoussis
Assistant Vice President: Jim Hyberg
Services: Insurance.

Howell Instruments, Inc.
3479 W. Vickery Boulevard
Fort Worth, TX 76107
☎817-336-7411 ☐758233
Chief Pilot: Paul Wheeler
Services: Manufacturer of indicators and turbine testing equipment.

Howmet Turbine Components Corporation
475 Steamboat Road
Greenwich, CT 06830
☎203-661-4600 ☐643725
President/CEO: Charles Yaker
Senior Vice President: Joseph L. Mallardi
Senior Vice President: Harry J. Hamijian
Vice President: Michael E. Higgins
Services: Investment cast parts for turbine engines.

Hughes Aviation Services
P.O. Box 18428
Las Vegas, NV 89119-3428
☎702-739-1100 ☐684426
President: Walter D. Druen
Services: Fixed base operator.

24 **Hughes Helicopters, Inc.**
Centinela & Teale Streets
Culver City, CA 90230
☎213-305-5000 ☐182434
President: Jack G. Real
Vice President: R. Carlin
Vice President, Marketing: William R. Ellis
Director of Public Affairs: Robert W. Mack
Services: Manufacturer of helicopters.

Hynes Aviation Industries, Inc.
P.O. Box 697
Frederick Industrial Park
Frederick, OK 73542
☎405-335-7511 ☐955439
President: Michael K. Hynes
Vice President, Administration:
Gary J. Merritt
Vice President, Technical Services:
Kevin P. Hynes
Vice President, Engineering: Ajay Sehgal
Manager, Parts/Customer Service: Tom Shandor
Services: Repair station and training facility.

ITT General Controls/ Aerospace Products
801 Allen Avenue
Glendale, CA 91201
☎213-842-6131 ☐673147
Vice President/General Manager: Frank M. Daly
Regional Marketing Manager: Duane D. Dietsch
Regional Marketing Manager: Gerald J. Padley
Regional Marketing Manager:
Patrick J. McLaughlin
Services: OEM of aerospace motor operated and solenoid fuel, air and hydraulic valves.

Imperial Oil Limited
Air Transport & Reservations
111 Saint Claire Avenue West
Toronto, ON, M5W 1K3, Canada
☎416-968-4111 ☐06524255
President: D.K. McIvor
Manager, Air Transport: H.O. Gooding
Services: Petroleum exploration - producing - manufacturing and marketing oil company.

Inchcape Aviation Holdings Ltd.
Elizabeth House
250 Gloucester Road
Hong Kong
☎0-430121 ☐56304
Managing Director: J.P.R. Brown
Director of Operations: D.J. Haugh
Director of Development: J.H.T. Perera
Director: J.J. Darby
Services: Holding company. Subsidiary companies: Heli Orient, Singapore; FAS-Orient, Singapore; FAS Inc., U.S.; Associate companies: Arabian Avaition Corp., Bahrain; Bell Helicopter Asia, Singapore.

Instrument Specialities Co. Inc.
1111 Stanley Drive
Euless, TX 76039
☎817-267-2651 ☐9108905711
President: Donald R. Bitts
Vice President: Lawrence Langkamp
Sales: Paul Brewner
Services: Manufacturer of engine instrumentation.

Instrument Tech Corp.
4901 Keller Springs Road
Suite 102
Dallas, TX 75248
☎214-931-0075
President: Bill Prewitt
Marketing/Sales: Jerry T. Knight
Services: Manufacture, service & sell all types of helicopter & aircraft instruments & related items. Also manufacturers reps. for several companies.

Insurance Company of North America
120 Wall Street, Tenth Floor
New York, NY 10005
☎212-908-1083
Assistant Secretary: Michael Farmer
Manager: Thomas Dougherty
Vice President: Richard L. Richards
Director: Fred McGowan
Services: Aviation insurance.

Insured Aircraft Title Service, Inc.
P.O. Box 19527
Oklahoma City, OK 73144
☎405-681-6663 ☐747192
President: Matthew Kelly
Vice President: Mary Miller
V.P., Data Processing: Larry Smith
Services: Aircraft title insurance, escrow and title services. Aircraft lists and labels, statistics, aviation microfiche library.

● *Indicates page of advertisement*

Inter Assessoria Aeronautica Ltda.
Avenue Churchill 94-6 Andar
Rio de Janeiro, 20020, Brazil
☎021-220-3113 ☐2121529
Managing Director: Ary Granja
Technical Director: Cloanto L. Nogueira
Insurance Director: Mario P. Faria
Services: Service & consulting for flight safety & accident prevention, management guide, operations & maintenance evaluations & aviation insurance.

166 **Interavia Publishing Group**
86, Avenue Louis-Casai
Geneva-Cointrin, 1216, Switzerland
☎22-98-05-05 ☐22122
President: Klaus Regelin
Editor-in-Chief: Pierre Condom
Associate Editor: Mark Lambert
Exhibition Manager: Viveca C. Ott
Chief News Editor: Eric H. Biass
V.P., Interavia U.S.A.: F. Clifton Berry, Jr.
Services: Publishing in aerospace and defense sectors.

Intercontinental Dynamics Corporation
170 Coolidge Avenue
Englewood, NJ 07631
☎201-567-3600 ☐135323
Eastern Regional Manager: Terry Neff
Services: Aircraft instruments, transducers, cabin display systems, SAT/TAS computers.

Inventory Locator Service Inc.
P.O. Box 18767
Memphis, TN 38118
☎901-794-4784 ☐4621039
President: Fred W. Meyer
Services: Computerized parts locator service.

Jaeger Aviation Corporation
2615 W. Casino Road
Suite 5B
Everett, WA 98204
☎206-355-7112 ☐329425
President: Raymond Briedelle
General Manager: Priscilla F. Moore
Services: Sales and product support Jaeger manufactured equipment.

Johnson & Higgins
95 Wall Street
New York, NY 10005
☎212-701-7580 ☐420027
Senior Vice President: A. Kent Robinson
Vice President: G.E. Clark
Vice President: Ronald Wilson
J&HWF (Aviation Ltd.): Ralph S. Whyte
Services: Aviation insurance brokers.

KAPCO
3101 E. Enterprise Road
Brea, CA 92621
☎714-524-5520 ☐9105962310
President: Henry C. Ray
Vice President, Sales: Patrick J. Downing
Vice President, Operations: Bill Hanley
Vice President, Finance: John Killen
Services: Airline parts support.

Kavouras, Inc.
6301 34th Avenue, South
Minneapolis, MN 55450
☎612-726-9515
President: Stephen Kavouras
Vice President, Marketing: William Schlueter
Vice President, Finance: Dennis Sanford
Vice President/Gen. Mgr. RAM: Jan B. Peterson
Director of RAM Marketing: Ralph Manual
Services: Manufacture & market aviation meteorological systems & services.

Kawasaki Heavy Industries, Ltd. Aircraft Group
World Trade Center Building
4-1 Hamamatsu-Cho, 2-Chome
Minato-Ku, Tokyo 105, Japan
☎03-435-2971 ☐2424371
President: Keniko Hasegawa
General Manager, Aircraft Group: Masahiko Iwata
Senior Manager, Aircraft Sales: Keishiro Tanaka
General Manager, Aircraft Sales: Yoshiji Hagura
Services: Manufacturer of aircraft, aerospace equipment, jet engines, ships, rolling stock, industrial plant, heavy machinery & motorcycles.

Kell-Strom Tool Co., Inc.
214 Church Street
Wethersfield, CT 06109
☎203-529-6851 ☐994426
President: Francis P. Kelly
Executive Vice President: Thomas J. Kelly
Sales Manager: T.J. Kelly
Services: Manufacturer of aircraft service tools for Pratt & Whitney of Canada. Tools for all major engine manufacturers.

King Radio Corporation
400 N. Rogers Road
Olathe, KS 66062
☎913-782-0400 ☐42299
President: Edward J. King, Jr.
Vice President, Marketing: R. Craig Christie
Vice President, Sales: B.L. Glover, Jr.
Public Relations: Kevin P. O'Hara
Services: Manufacturer of navigation, communication, flight directors/autopilots, radars, HF, long-range navigation frequency management system.

Kinzie Industries, Inc.
P.O. Box 847
Alva, OK 73717
☎405-327-1565 ☐9108306644
President: Wayne E. Kinzie
Vice President: Paul W. Kinzie
Public Relations: Beverly Kinzie
Part Sales: James E. Robison
Services: Parts and services for Hughes Helicopters.

Sam Kleinman & Associates
5540 W. Pico Boulevard
Los Angeles, CA 90019
☎213-931-6274 ☐696129
Owner/President: Sam Kleinman
Services: Helicopter sales (used).

Kollsman Instrument Company
Daniel Webster Highway South
Merrimack, NH 03054
☎603-889-2500 ☐943537
Vice President/General Manager: Fred L. Gagnon
Vice President, Marketing: Joseph C. Allwarden
Vice President, Engineering: George Semanick
Manager, Avionics Marketing: William B. Shockley
Services: Altimeters, airspeed indicators, rate of climb indicators, radar altimeters, pneumatic test equipment, electro-luminescent displays.

Lawton-Byrne-Bruner Insurance Agency
10 Broadway
Saint Louis, MO 63129
☎314-621-5540 ☐447228
President: Robert H. Larkin
Executive Vice President: Peter C. Reeves
Vice President of Aviation: Edward Quint
Services: Insurance brokers.

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"Superjet" self-propelled 400 Hz ground power units. Ask for data sheet 210.

Solid state 28.5 volt DC hangar power source aircraft starter. Ask for data sheet 311.

Jet-Ex 3 ground power unit. Nominal 28.5 volt DC, optional 14.25 volts available. Ask for data sheet 320.

HOBART

HOBART BROTHERS COMPANY
POWER SYSTEMS DIVISION
Box HA, Troy, OH 45373, U.S.A.
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Leigh Instruments Limited
2690 Queensview Drive
Ottawa, ON, K2B 8J9, Canada
☎613-820-9720 □0534129
President: B.S. Flower
Director of Marketing: D.G. Lougheed
Director of Aerospace Products: B.B. Algee
Marketing Manager, Aerospace: Tony Bockman
Services. Aerospace, government and military electronics manufacturer.

Lester Industries, Inc.
950 Isom Road
Suite 100
San Antonio, TX 78216
☎512-344-8591 □767439
President: Les J. Paulick
Vice President, Marketing: Jim Paulick
Services: Distributor of aircraft and helicopter parts. Ground support equipment - sales and service.

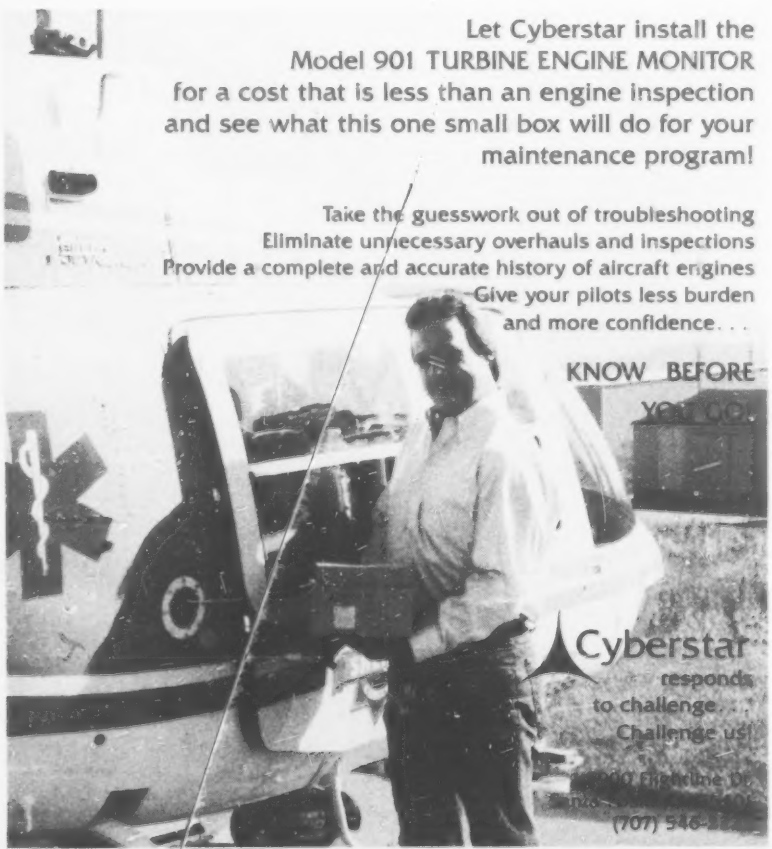
Libin & Associates
907 Hollywood Way
Burbank, CA 91505
☎818-841-9690
President: Herb Libin
Vice President: Bob Libin
Exhibit Director: Anita King
Marketing Manager: Nina True
Services: Supplier of the Sanyo DA 2500 oscillator.

Lincoln Airpark
2893 Sunrise Boulevard
Suite 201
Rancho Cordova, CA 95670
☎916-635-1300
President: Sammy F. Cemo
Project Director: Charles L. Coker
Services: Airport development and construction.

57 **Litton Industries, Inc.**
Aero Products Division
6101 Condor Drive
Moorpark, CA 93021
☎805-378-2222 □662619
Director of Marketing: Joe E. O'Rendy
Director of Advertising: William Pyestner
Services: Inertial and omega navigation systems.

Litton Systems Canada Limited
25 Cityview Drive
Rexdale, ON, M9W 5A7, Canada
☎416-249-1231
President: R. R. Keating
Vice President, Marketing:
T. J. McGuigan
Director: K. I. Evans
Director, Public Relations:
C. W. Pittman
Marketing Manager: A. J. Steele
Services: Manufacturer of electronics.

Lockheed DataPlan, Inc.
90 Albright Way
Los Gatos, CA 95030
☎408-866-7611 □352132
President: Lou Reinkens
Director of Mktg. Communications:
Manuel Valencia
Senior Sales Representative: Dennis Steinbeck
Sales Manager: Steve Bandich
Services: Interactive, realtime aviation management information systems including MIS, scheduling & maintenance; online & personal weather briefings & graphics; computerized flight planning; international flight services.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Aerospace Products Division
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1635 W. 12 Street
Erie, PA 16514
☎814-456-8511 □914438
President: A.J. Freeman
V.P., Mechanical Group: M.J. Crosby
General Manager/Aerospace Division:
R. C. Ditrich
Manager, Aerospace sales:
Kenyon G. Sunding
Services: Vibration/shock/noise control systems, bonded rubber/metal products, and engine mountings.

Louis Newmark PLC.
80, Gloucester Road
Croydon
Surrey, CR9 2LD, England
☎01-684-3696 □264004
Managing Director: W.H. Atkinson
Technical Director: T.R. Baker
Marketing Director: M.J. Ebdon
Chief Sales Engineer: S. Scarisbrick
Services: Manufacturer of automatic flight control systems for helicopters. SAS, autopilots, flight directors & special flight patch controllers for search & rescue.

Lucas Aerospace Ltd.
Brueton House, New Road
Solihull
West Midlands, B91 3TX, England
☎021-704-5171 □335334
President: Alan K. Watkins
Vice President, Marketing: Roger G. Haggett
Engineering Director: Ken H. Holliday
Marketing Services Manager: Angus MacLeod
Services: Engine controls, engine combustion systems, generating systems, actuation systems, switchgear and ignition. Transparencies and de-icing.

3M Stormscope ® Weather Mapping Systems
6530 Singletree Drive
Columbus, OH 43229
☎614-885-3310
Project Manager: W. P. Boland
Marketing Manager: J. Gregory Heaton
Sales Manager: David V. Heaton
Marketing and Communications Coordinator:
William C. Brodegard
Services: Exclusive manufacturer of a passive thunderstorm mapping instrument that operates out to more than 200 nautical miles on the ground or in the air. Airborne and ground models available.

58 **II Morrow, Inc.**
P.O. Box 13549
Salem, OR 97302
☎503-581-8101 □5105990110
President: Ray E. Morrow, Jr.
Vice President/Marketing: Michael G. Duff
Vice President: James Morrow
Technical Sales Manager: Sam Seery
Director of Engineering: Robert Bronson
Services: Repair station.

M & N Plastics, Inc.
P.O. Box 434
Springtown, TX 76082
☎817-523-7245 □758516
President: Sammy B. Summers
Vice President: Mark Summers
Services: Manufacturer of helicopter replacement windows.

27 MBB - Helicopter & Transport Division
P.O. Box 801140
8000 Munich 80, West Germany
☎89-6000-2945 □5287710
President: K. Pfleiderer, Dipl.-Ing.
Vice President, Marketing: D. Halff, Dipl.-Ing.
Vice President, Engineering: V. Von Tein, Dipl.-Ing
Vice President, Production:
E. Hoegenauer, Dipl.-Ing.
Services: Helicopter manufacturer.

29 MBB Helicopter Corporation
P.O. Box 2349
West Chester, PA 19380
☎215-431-4150 □173102
President & CEO: C.W. Moore
Vice President, Marketing: A. Aastad
Vice President, Marketing: S.E. Rocray
Vice Pres., Domestic Marketing:
D.D. Groenemann
Services: Manufacture, service and support of twin engine helicopters including the first commercial light twin in the world, the BO 105 Twin Jet, & the latest light/medium twin, the BK 117 Space Ship.

Marathon Battery Company
8301 Imperial Drive
Waco, TX 76710
☎817-776-0650 □9108945203
President: Richard W. Cowan
Vice President: Walter Harder
Vice President, Marketing: Leon J. Andrus
Director, Public Relations: Roland Gray
Services: Manufacturer of vented nickel/cadmium aircraft batteries, inverters, chargers and temperature monitors.

Marathon Flite-Tronics Company
2525 N. Naomi Street
Burbank, CA 91504
☎213-841-3210 □691487
Executive Vice President: Carl A. Grisier
Services: Manufacturer of FAA TSO'D AC static inverters & DC converters.

Marketing & Planning Group, Inc.
999 N. Sepulveda Boulevard
Suite 314
El Segunda, CA 90245
☎213-640-2283
Managing Director: J.C. Greenway, III
Office Manager: Susan Westlake
Services: Market research, advertising, public relations and management consulting.

Maroc-Aviation
37, Boulevard de Montmorency
Paris, 75016, France
☎331-524-4321 □25797M
President: A. James Spite
Vice President, Marketing: G.P. Marche
Services: Maintenance and overhaul equipment and blades for helicopters. Services to operators.

Marsh & McLennan, Inc.
P.O. Box 75055
3303 Wilshire Boulevard
Los Angeles, CA 90075
☎213-380-1600
President: Bruce W. Schnitzer
Vice President: Richard J. Ebner
Director, Montreal Office: Dave Taylor
Services: Insurance brokers.

185 Marvel Manufacturing Co.
204 Passaic Avenue
Fairfield, NJ 07006
☎201-227-6090
President, Washington, D.C.: L.M. Byron
Chief Engineer: R.E. Riddle
Sales: J R. Fuller
Services: Design & manufacture of precision horizontal suspension type static balance indicating equipment & application to helicopter rotors, aircraft propellers & other rotating parts for assembly balance & control of component part moment valves.

Masco Service Corporation
9731 Denton Drive
Dallas, TX 75220
☎214-352-4040 □71-4630191
President: William C. Massey
Vice President: Ronald B. Massey
Services: Repair, overhaul and sales of helicopter instruments.

McAllister Engineering Enterprises
9739 S. 208th Street
Kent, WA 98031
☎206-852-0263 □294855
President: John H. McAllister
Secretary-Treasurer: Joyce M. McAllister
Services: Engineering & manufacture helicopter auxiliary systems: weighing-longline, external lift, heater, forest fire suppressant, computer, shock absorber, static stopper.

Measurement Systems International
12622 Interurban Avenue, South
Seattle, WA 98168
☎206-433-0199 □328005
President: David C. English
Vice President, Marketing: John A. Swartz
Advertising Manager: Terry L. Dazey
Services: Manufacturer of MSI-150 external cargo hook load monitoring systems. Instrument panel digital readout with optional printer/recorder.

Meridian Heliflight, Inc.
9703 Penn Road
Prince George, BC, V2N 2K8, Canada
☎604-561-1010 □0477188
General Manager: Bruce Ellwyn
Chief Inspector: W.G. (Scotty) Farquhar
Chief Engineer: Dave Heyer
Parts Manager: Harvey Clark
Services: Aerospatiale, Bell, Hughes, Allison 250, Lycoming LTS101 service centers, parts support, complete overhaul & service for all commercial & military helicopters.

Micro-Surface Finishing Products, Inc.
P.O. Box 818
Wilton, IA 52778
☎319-732-3240 □9105251581
President: Herbert A. Wilson
Services: Manufacturer of abrasives.

Static Balance Equipment

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ACHIEVE balance before installation on aircraft.

GAIN • Balanced First Starts • Flight Ready Spares • Reduced Engine Starts/Time • Minimum Weather Exposure

ACCURATE The suspension balance principle, and manufacture to precision instrument standards combined with fully hardened and ground tool steels for critical parts insure initial and long lasting accuracy.

VERSATILE An inherent feature of this system. The balance sensing and indicating instrument (Arbor) is used with adapters, multipurpose wherever possible, to mount parts for balance. Helicopter make or model change, including future design, require new adapter design only when existing can not be applied.

LONG SERVICE LIFE Chrome plated surfaces, fully hardened parts, stainless steels and anodized high strength aluminum alloys insure long accurate service life and resistance to corrosion.

PORTABLE Equipment supplied as Kits include a fitted finished hardwood case for protection of all parts both in the shop and during transit.

SUSPENSION TYPE The suspension principle provides an immediate and absolute balance reference to gravity without need for leveling adjustments or rigid supports. Unbalance is detected as a tilt of the part instead of rotation, with the direction and amount of tilt indicating direction and amount of unbalance.

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Workers compensation insurance is another HAI group plan, underwritten by a major insurer for the benefit of HAI member companies. Your firm benefits from participation in the group plan, with premiums adjusted to your company's own situation.

For more information on these or other HAI insurance programs call or write:
Helicopter Association International
1110 Vermont Avenue, N.W., Suite 430,
Washington, D.C. 20005
Telephone: 202-466-2420. Telex: 89-615
Or return the information reply card on page 208.

Helicopter Association International

Micrologic Avionics
20801 Dearborn Street
Chatsworth, CA 91311
☎213-998-1216 ☐9104944832
President: Calvin Culver
Vice President: Ronald W. Danklefs
Marketing Manager: Terry Feeney
Sales Representative: Deborah Travis
Services: Manufacturer of Loran C navigation equipment.

Midland Ross Corp.
Grimes Division
550 Route 55
P.O. Box 247
Urbana, OH 43078
☎513-652-1431 ☐205439
Group Vice President: A.C. Schafer
Director of Marketing: R.M. Smith
Services: Design, develop & manufacture aircraft lighting & electronic components & systems; windshield wipers; & night vision compatible equipment.

Miller Industrial Tools, Inc.
7111 Hayvenhurst Avenue
Van Nuys, CA 91406
☎213-877-9908 ☐696245
President: Leon I. Miller
Vice President/Secretary: Rosalind L. Miller
National Manager, Sales: Ken Perlis
Services: Tools for manufacturing & maintenance of aircraft, helicopter & spacecraft. Special tools manufactured to customer specifications.

Mira Slovak Aviation
P.O. Box 822
Santa Paula, CA 93060
☎805-525-2191 ☐662204
President: Mira Slovak
Field Representative: Arthur Rink
Services: Sales & distribution.

Mitsubishi Aircraft International, Inc.
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
☎214-387-5600 ☐732575
President: Nobuo Hayashi
Vice President, Marketing: Borge Boeskov
Director, Public Relations: Patrick C. DeBlanc
Services: Manufacture, sales and support of executive aircraft.

Mitsui & Co. (USA) Inc.
Suite 1212
433 Las Colinas Boulevard
Irving, TX 75039
☎214-556-1224 ☐791852
General Manager: S. Kumano
Assistant General Manager: Y. Ishii
Services: Export of helicopters and spare parts to Japan.

Narco Avionics Inc.
270 Commerce Drive
Fort Washington, PA 19034
☎215-643-2900 ☐846395
President: Edward M. Zimmer, Jr.
Vice President, Marketing: J. Patrick Millard
Services: Avionics.

Nash Helicopter Associates Ltd.
York House, Clarendon Avenue
Leamington Spa
Warks, CV32 5PP, England
☎0926-32252 ☐312559
Managing Director: Martin Nash
Services: International helicopter sales.

30 **National Airmotive**
P.O. Box 6069
7200 Lockheed Street
Oakland, CA 94614
☎415-635-1500 ☐335346
President: A.E. Morijig
Vice President, Marketing: R.G. Foster
Manager, Allison 250 Sales: Dennis J. Faris
Services: Franchised distributor for Allison 250 series. Engine & spare parts sales, complete overhaul and repair Capability and exchange program.

National Flight Nurses Association
P.O. Box 1428
Long Beach, CA 90801
☎213-426-0378
President: Roy Evans, R.N.
President-Elect: Bonnie Longino, R.N.
Chairman, Liaison Committee: Ford Keyes, R.N.
Treasurer: Susan Herron, R.N.
Secretary: Dana Burkan, R.N.
Services: Organization of professionals dedicated to the promotion of optimum patient care in air medical services. Membership is made up of registered nurses, paramedics, EMTs & other paramedical personnel actively involved in flight nursing.

187 **Negretti Aviation, Inc.**
400 Amherst Street
Nashua, NH 03063
☎603-881-7045 ☐953027
Marketing Manager: Bob Brown
Director Sales/Marketing: Dennis Greengrass
Services: Engine equipment, avionics, sensors.

Nordam
P.O. Box 3365
510 S. Lansing Street
Tulsa, OK 74120
☎918-587-4105 ☐492377
President: Ray H. Siegfried, II
Helicopter Marketing Manager: Don C. Miller
Services: Honeycomb repair, all helicopters. Bell 206 B/L tailboom repair. All oil cooler overhaul & repair. Honeycomb panels available.

Norsk-Lander, Inc.
P.O. Box 99599
Federal Way, WA 98499
☎206-952-3800 ☐295931
President: Bradford L. Schultz
Vice President: C.W. Schultz
Southwest Region: H.H. Reynolds
Offshore Sales: J. Hansen
Services: Design & manufacture of the Helidek, a prefabricated aluminum helicopter landing system for rooftop and offshore installations.

40 **Northern Airborne Technology**
1839 First Avenue
Prince George, BC, V2L 2Y8, Canada
☎604-562-2232 ☐0477132
President: Walter Shawlee
Vice President, Marketing: Dan Wheeler
Vice President, Public Relations: Mark Phillips
Research & Development: Ken Veitch
Services: Manufacture of avionics radios and installation of avionics equipment.

Norton Company
Aero Product Operations
P.O. Box 350
Akron, OH 44309
☎216-296-9948 ☐4338012
Business Manager: Ron D. Zimmerman
Manager, Marketing/Sales: Thomas N. Gibson
Sales Engineer: Alan Burky
Chief Engineer: Ben MacKenzie
Services: Specializing in the design, manufacture and repair of airborne radomes and composite structures.

● *Indicates page of advertisement*

Novatech Corporation
226 Commerce Street
P.O. Box 324
Broomfield, CO 80020
☎303-469-7893 □450184
President: Thomas P. Hoekelman
Director, Aviation Operations: Randall D. Petersen
Public Relations: Brad G. Seavoy
Services: Manufacturer of aircraft data acquisition systems.

Nozaki and Company Ltd.
Aircraft Department
16-19 Ginza 7-Chrome
Chuoku, Tokyo, 104-91, Japan
☎03-542-9211 □J22375
Deputy General Manager: Kenichi Umeda
Services: Distributor.

Ocean Air Insurors, Ltd.
5000 Cedar Plaza Parkway
Saint Louis, MO 63128
☎314-849-6100 □755137
President: Rob Lawrence
Vice Pres., Public Relations: James B. Harper
Services: Specialist in worldwide helicopter and aircraft insurance. Brokers and consultants for safety and management programs.

Offshore Navigation, Inc.
P.O. Box 23504
New Orleans, LA 70183
☎504-733-6790 □58361
President/CEO: Robert L. Suggs
Vice President, Marketing: A. William Marchal
Manager, Aviation Products: Kenneth B. Foret
Services: Distributor of ONI-7000 Loran-C area navigation system & manufacturer of FLITE-TRAK data link systems.

Oil Industry Services A.S.
P.O. Box 46
N-4620 Vaagsbygd, Norway
☎042-86-100 □21062
Managing Director: B. Lislegard
Vice President, Marketing: M. Braithwaite
Services: Engineering, fabrication & hook-up for offshore oil/gas operators. Safedeck helidecks. Glare-free helilights.

Olympic Fastening Systems, Inc.
11445 Dolan Avenue
Downey, CA 90241
☎213-861-7251 □703624
General Manager: James K. Leeg
General Sales Manager: Larry J. Harden
Customer Service Supervisor: James K. Lawrence
Services: Manufacture aerospace fasteners and tooling systems.

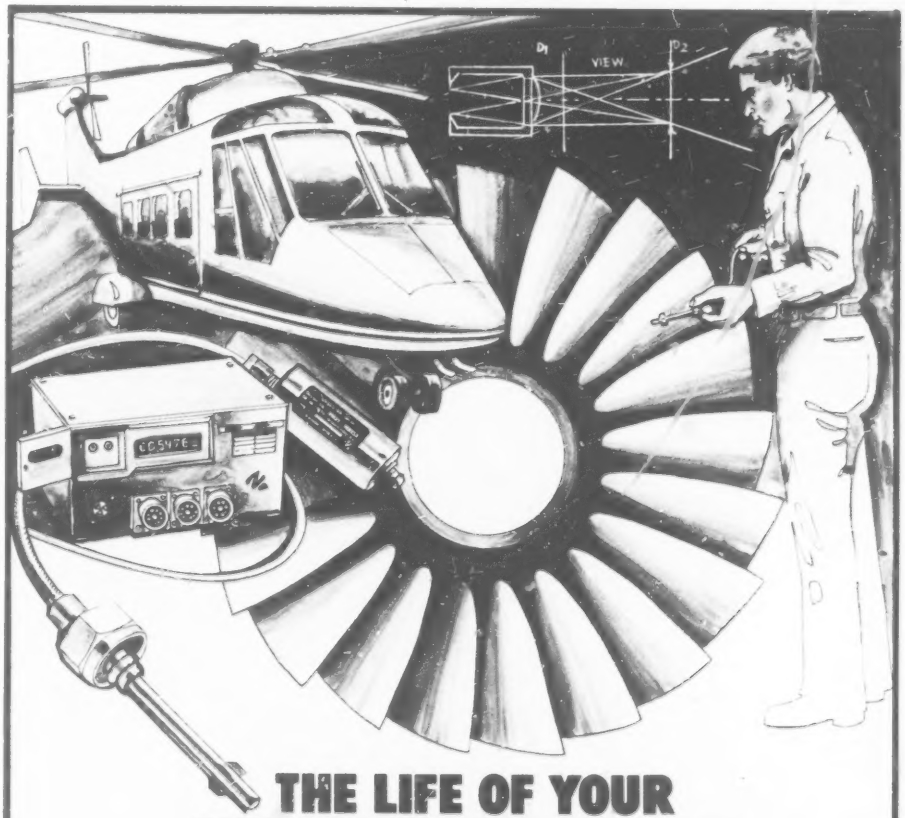
Olympus Corporation of America
Industrial Fiberoptics Department
4 Nevada Drive
Lake Success, NY 11042
☎516-488-3880 □960199
General Manager: Frank G. Becher
Services: Flexible and rigid fiberoptic borescopes, light sources and photographic accessories.

PLM Transportation Equipment Corporation
655 Montgomery Street, No. 1200
San Francisco, CA 94111
☎415-989-1860 □34430
Chairman & CEO: Mark C. Hungerford
President & COO: Douglas C. Kay
Vice President: Allen V. Hirsch
Director of Leasing: Bryon E. Hurey
Services: Equipment lessor.

Pacer Systems, Inc.
87 Second Avenue
Northwest Industrial Park
Burlington, MA 01803
☎617-272-5995
President: J.C. Rennie
Services: Engineering service-manufacturer of flight simulators, omni-directional air data systems.

Pacific Aero Products, Inc.
2810-20 N. Lima Street
Burbank, CA 91504
☎213-849-6735 □677489
President: Charles R. Lovin
Vice President: J.M. Voelker
Services: Sales & service - electrical accessories - complete units & parts. Factory authorized distributor. Export facilities. CRS.

Pacific Airmotive Corp.
2940 N. Hollywood Way
Burbank, CA 91503
☎213-842-5171 □677695
Vice President/General Manager: Jerry D. Flanders
Vice President, Marketing: Barry C. Bangert
Customer Liason: Jerry C. Carmody, Sr.
Services: P&WC turbine engines: overhaul and repair services. Spare parts and engine accessory support.



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Pall Corporation
30 Sea Cliff Avenue
Glan Cove, NY 11542
☎516-759-1900
Vice President, Marketing: Cedric Sun
Vice President, Sales: Charlie Grimm
Services: Air cleaners & filters; hydraulic filters.

Patterson Enterprises Inc.
7049 Valjean Avenue
Van Nuys, CA 91406
☎213-781-1421
President: Thomas A. Patterson
Vice President, Marketing: Michael T. Patterson
Marketing Manager: James R. White
Administrative Assistant: Diane L. Collins
Services: Accessory manufacturer.

Pedley-Knowles & Co.
1300 Illinois Street
San Francisco, CA 94107
☎415-821-9580
President: Eric A. Pedley
Services: Manufacturer of helicopter cargo nets.

Penny & Giles Transducers Ltd.
Airfield Road
Christchurch
Dorset, BH23 3TH, England
☎0-202-476621 □41566
Managing Director: J.M. Dixon
Director of Marketing: G.R. Witt
Services: Design, develop & manufacture air data transducers & associated electronics systems, both analogue & digital. CAA/FAA & U.K. M.O.D. approved

Perkins Plastics Inc.
3724 N. Commerce Street
P.O. Box 4246
Fort Worth, TX 76106
☎817-625-4106 □758401
President/CEO: James A. Perkins
Vice President, Marketing: Dennis R. Henkell
Director, Public Relations: Al P. Pugh
Services: Manufacturers helicopter replacement windows, bubbles, and speciality design items.

Plessey Aerospace Ltd.
Abbey Works
Titchfield, Fareham
Hampshire, PO14 4QA, England
☎0329-43031 □86214
Managing Director: J. Varde
Marketing Director: W.D. Gilligan
Sales Executive (Aviation): S.E. Horn
Marketing Services & Planning: B.J. Bawtree
Market Development Manager: P.V. Cope
Services: Design, development, manufacture & supply of helicopter & aircraft components, fuel management systems & ground power generation systems.

189 **Pooley's Division**
Petroleum Equipment Distributors, Inc.
45450 Industrial Place, Unit 4
Fremont, CA 94538
☎415-490-8695
President: James W. Osterman
Vice President, Marketing: Bill Osterman
Services: Fuel handling and storage systems. Portable and high speed refueling systems. Individualized fuel quality control systems.

17 **Pratt & Whitney Canada, Inc.**
P.O. Box 10
72 Longueuil, PQ, J4K 4X9, Canada
☎514-677-9411 □05267509
Chairman/CEO: Elvie L. Smith
President: L. David Caplan
Vice President, Operations: Gilles P. Ouimet
Vice President, Marketing: Richard H. McLachlan
Vice President/Product Support: Robert Losch
Services: Designs, develops and manufactures gas turbine engines for general aviation aircraft. Worldwide support for PT6, PT6T & PW100.

Precision Forgings, Inc.
600 St. Louis Avenue
Valley Park, MO 63088
☎314-225-5222 □910-760-1428
Chairman: Barry R. Todd
President: Louis E. Seli
Vice President, Finance: Joseph T. O'Connor
Chief Engineer: William J. Vinson
Services: Aluminum forgings

Professional Helicopter Services Ltd.
209 Champlain Street
Timmons, ON, P4N 7L3, Canada
☎705-267-6585 □067-81627
President: Barry G. LeDuc
Services: Maintenance, management and consulting.

Professional Pilot Magazine
West Building
National Airport
Washington, DC 20001
☎703-684-8270
Publisher: Murray Smith
Executive Editor: Paul Proctor
Assistant to the Publisher: Bennett Ornensky
Editor: Bill Garvey
Services: Publishing.

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Despite its limited land area, Japan has more than 1,100 helicopters and the number is increasing rapidly.
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Currently helicopters are used in Japan for cargo lifting, press coverage, power transmission line patrol, rescue and policing. Emergency medical services and passenger transport are areas expected to grow in the future.

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Contact: Takashi Satoh. President
JAPAN AVIATION PRESS CO.,LTD.
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11-7 Shintomi 1-chome Chuo-ku,
Tokyo 104, Japan
Cable: Aviation Press Tokyo
Phone: 03-555-1491
Fax: 03-552-7580

Publishers for Conventions, Inc.
1205 Main Street
Pittsburgh, PA 15215
☎412-781-0412
President: B.J. Gessler
Sales Supervisor: Howard L. Burrell
Services: Publishers of National Conventioneer.

The Purdy Corporation
586 Hilliard Street
P.O. Box 1898
Manchester, CT 06040
☎203-649-0000 ☐7104274190
President: John M. Purdy, Jr.
Executive Vice President: George J. Purdy
Vice President: William E. Sullivan
Vice President, Finance: Burton Swanson
Services: Manufacturer of critical components/rotor systems.

Ramapo Helicopters, Inc.
Smith Road
Spring Valley, NY 10977
☎914-352-8600 ☐131528
President: Richard Eimert
Vice President: William Winstanley
Shop Manager: James V. Mitchell
Services: Helicopter repair facility - FAA, BHT, & Aerospatiale approved repair station - storage, maintenance major overhaul & major airframe repair.

Rediffusion Simulation Ltd.
Gatwick Road
Crawley
Sussex, RH10 2RL, England
☎0293-28811 ☐87661
Managing Director: D.A. Young
Marketing Director: M.G. Long
Manager, Public Relations: P. Spence
Marketing Manager, Helicopters: A.G.M. Longbottom
Services: Manufacturers of flight simulators, trainers, cockpit procedure trainers, computer based training systems & visual systems for military & civil applications.

151 **Reed Stenhouse, Inc.**
100 William Street
New York, NY 10038
☎212-806-6600 ☐961007
Senior Vice President: Joseph M. Rosenthal
Services: International insurance brokers.

Reichert Fiber Optics
122 Charlton Street
Southbridge, MA 01550
☎617-765-9744 ☐200257
Manager, Industrial Marketing: David McNally
Services: Ground support equipment.

Ro-Wing Aviation, Inc.
275 E. Pleasant Valley Road
Hangar 2
Camarillo, CA 93010
☎805-484-0556
President: Gary D. Foster
Chief Financial Officer: Roger M. Gagnon
Secretary: Maureen F. Foster
Services: FAA certified repair station.

Robinson Heilcopter Company, Inc.
24747 Crenshaw Boulevard
Torrance, CA 90505
☎213-539-0508 ☐182554
President: Franklin D. Robinson
Marketing Coordinator: Barbara Krauss
Training/Safety: Timothy C. Tucker
Customer Service: Christopher O. Hendricks
Services: Manufacturer of Robinson R22 two-place helicopter.

Rollins Burdick Hunter
P.O. Box 9210
Wichita, KS 67277
☎800-835-2677 ☐417407
President: Charles L. Jones
Senior Vice President: Lee R. Kiefer
Vice President: G. Garnett Tate
Vice President: Clinton C. White
Services: Multi-national insurance broker.

Rolls-Royce (Canada) Ltee.
P.O. Box 1000
Montreal AMF
Montreal, PQ, H9P 1W8, Canada
☎514-631-3541 ☐5821882
President: H.R. Beattie
Director, Marketing/Sales: G. Walker
Executive Vice President: Ken Lee
Public Relations: W. Burton
Services: Spare parts distributor for all Rolls Royce engines and Turbomeca Makila engine. Specialist component repair service available by consultation.

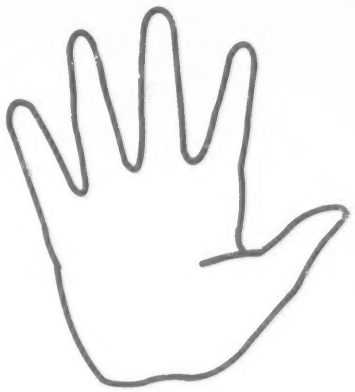
Rolls-Royce Inc.
1895 Phoenix Boulevard
Suite 400
Atlanta, GA 30349
☎404-996-8400 ☐804311
Director of Product Support, Airlines & General Aviation: P.A.C. Oldfield
Services: Product support for all Rolls-Royce products in the U.S., with development & parts manufacture in the U.S.

Rolls-Royce Inc.
1201 Pennsylvania Avenue, N.W.
Suite 230
Washington, DC 20004
☎202-737-1010 ☐ROLLS WSH
Washington Respresentative: R.A. Schwarz
Services: Marketing of all Rolls-Royce products in U.S.

Rolls-Royce Inc.
475 Steamboat Road, Box 2525
Greenwich, CT 06836
☎203-625-8600
Vice President, Public Relations: M. Tolley
Services: Marketing of all Rolls-Royce products in the U.S.

Rolls-Royce Limited
Leavesden
Watford, WD2 7BZ, England
☎0923-674000 ☐23206
Project Director: Gordon F. Page.
Marketing Manager: Kenneth G. Pollard
Head of Engineering, Helicopter Engines: Hugh C. Hillier
Public Relations Manager: Richard Butcher
Services: Design, development and manufacturer of turboshaft engines between 800 shp and 250 shp. Repair, overhauls and comprehensive product support.

Rotor & Wing International
PJS Publications Inc.
P.O. Box 1790, News Plaza
Peoria, IL 61656
☎309-682-6626 ☐469661
Publisher: Jerry Constantino
Editor: Don Toler
Advertising Director: Terry Bredenberg
Assistant Advetising Director: Julia Stone
Services: Monthly trade magazine for the helicopter industry, includes annual Buyer's Guide as the 13th issue.



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Pooley's Fuel Filter Service, Inc.

45450 Industrial Place #4
Fremont, CA 94538
Call (415) 490 – 8695

● *Indicates page of advertisement*

191 **Rotor Blades, Inc.**
P.O. Box 589
Stockton, CA 95205
☎209-466-0725 ☐5107655162
President: Philip A. Johnston
Operations Manager: Gene K. Hicks
Controller: Dyanne L. Vargas
Services: Repair and/or overhaul of helicopter rotor blades.

Rotor Parts, Inc.
Building 141, Sanford Airport
Sanford, FL 32771
☎305-322-0886 ☐564400
President: Jim Woodall
Services: Sale of parts & components for Sikorsky helicopters.

S.F.I.M.
13, Avenue Marcel Ramolfo Garnier
Massy, 91301, France
☎33-6920-8890 ☐692164
President: J.L. Larpent
Director of Marketing: J.C. Parmentier
Services: Helicopter avionics and flight control systems.

32 **SAFT America, Inc.**
711 Industrial Boulevard
P.O. Box 1886
Valdosta, GA 31603-1886
☎912-247-2331 ☐547620
President: Edward J. Mulvey
V.P., General Manager: Edward L. Nargi
Director, Corporate Advertising: Bob D. Gould
National Sales Manager: Charles E. Hopper
Services: Manufacturer and market aviation batteries. Product available through authorized dealers.

SEI Industries Ltd.
P.O. Box 35412
Station E
Vancouver, BC, V6M 4G5, Canada
☎604-266-1324 ☐04352848
Director: Donald B. Arney
Associate Director: Terry J. Ferguson
Services: Manufacture of helicopter fire fighting buckets.

SFENA
B.P. 59
Velizy-Villacoublay, 78141, France
☎1-6302385 ☐260046F
President/CEO: Alain Guigue
General Manager: Michel Hucher
Director of Marketing: Roger Larrieu
Assistant General Manager: Jacques Teyssier
Services: Flight guidance systems.

SFENA Corporation
2617 Aviation Parkway
Grand Prairie, TX 75051
☎214-988-8000 ☐9108664655
President: Mike Conlin
V.P., Business Development: Stephen W. Williams
Customer Service Manager: Trevor Lyons
Services: Manufacturer of helicopter flight controls and guidance systems. Helicopter avionics/electronics systems integration engineering.

SGL Auburn Spark Plug Co.
89 York Street
Auburn, NY 13021
☎315-252-9501 ☐7108960138
President: Charles E. Riffle
Aviation Sales Manager: Edward J. Dyman
Engineering Manager: Stephen F. Smith
Services: Manufacturer of aviation spark plugs and igniters.

192 **SOS Rescue & Survival Tool**
Ashlan & 99 Business Park
4111 N. Motel Drive, Suite 101
Fresno, CA 93711
☎209-275-3319
Owner: Gerald G. Nordstrom
Services: U.S. sales agent for search, rescue & survival tools.

SPAR Aerospace, Ltd.
825 Caledonia Road
Toronto, ON, M6B 3X8, Canada
☎416-781-1571 ☐06524240
General Manager: E.J. O'Brien
Services: Repair, overhaul and manufacture for fixed and rotary wing aircraft. Mechanical and electrical components and accessories.

31 **Schweizer Aircraft Corp.**
P.O. Box 147
Elmira, NY 14902
☎607-739-3821 ☐932459
President: Leslie Schweizer
Vice President: W. Stuart Schweizer
Vice President & Treasurer: Paul H. Schweizer
Vice President: Donald Quigley
Helicopter Marketing Director: Bruce A. Kurtz
Services: Fixed wing aircraft manufacturer & aerospace subcontractor.

Scientific-Atlanta, Inc.
8835 Balboa Avenue
P.O. Box 23575
San Diego, CA 92123-0575
☎619-268-7210 ☐9103221733
Aviation Products Manager: Keith L. Jones
Government Products Manager: Thomas Winship
Services: Manufacturer of vibration test equipment, rotor blade track and balance equipment, and jet engine test cell instruments.

Semco Instruments, Inc.
11505 Vanowen Street
N. Hollywood, CA 91605
☎818-942-1400 ☐9104992155
Marketing/Sales: S. Guy Moore
Services: Turbine engine temperature, speed, torque sensors & electronic control system design & manufacturer utilized in airborne & ground support applications.

Sensor Systems, Inc.
8929 Fullbright Avenue
Chatsworth, CA 91311
☎213-341-5366 ☐691583
Vice President: Si Robin
Services: Manufacturer of aircraft antennas.

C4 **Sikorsky Aircraft**
N. Main Street
Stratford, CT 06602
☎203-386-4000 ☐7104531330
President: William F. Paul
V.P., S-76 Commercial Operations: John P. Balaguer
V.P., Corporate Marketing: Mackie D. Mott
Vice President, Energy Business: Robert H. Barlow
Chief, Civil Aviation Regulations: Theodore E. Dumont
Services: Design-development-test and manufacture of commercial helicopters and support equipment.

Silver Instruments, Inc.
8208 Capwell Drive
Oakland, CA 94621
☎415-638-5600 ☐9103662025
President/Director, Marketing: Robert L. Chapman
Executive Vice President: Max W. Dixon
Vice President, Sales: Mario Gomez
Services: Manufacturer of digital fuel management systems for aircraft.

Simmonds Precision
Product Support Division
1525 N.W. 167 Street, Suite 30
Miami, FL 33169
☎305-621-4700 ☐803104
Vice President/General Manager: Duncun E. Bossle
Director, Customer Service: Dominic J. Scardino
Marketing Manager: William H. Thomas
Services: Repair and sales of Simmonds Products, flight and engine instruction, test equipment for helicopter industry.

Simplex Manufacturing Co.
13340 N.E. Whitaker Way
Portland, OR 97230
☎503-257-3511 ☐360936
President: Daniel Conti
Vice President: James D. Galligan
Services: Aerial application systems; fire suppression systems.

Sky Controls, Inc.
7518 Clybourn Avenue
Sun Valley, CA 91352
☎213-877-0341 ☐9104982728
President: Jack Y. Holiday
Vice President, Marketing: Mark S. Holiday
General Manager: Doug Holiday
Secretary: Mercy E. Holiday
Services: Sale of new & overhauled aircraft accessory items. Limited sale of complete aircraft.

Sky Sign
P.O. Box 490068
Miami, FL 33149-0068
☎305-SKY-SIGN
President: Betty L. Foster
Vice President & Sales Manager: C. Tom Foster
General Manager: Joe Scott
Services: Aerial & ground signs, day & night, computer operated for all types of helicopters, airplanes, boats, ground vehicles and buildings.

J. T. Slocomb Company
68 Matson Hill Road
S. Glastonbury, CT 06073
☎203-633-9485 ☐7104248713
President/Owner: John Gregory
Vice President, Operations: Bob Pasternerlo
Director, Overhaul Operations: Don Keyser
Sales Manager: Bob Cobd
Services: Manufactures aircraft engine components and overhauls jet & turbine component parts for all major engine manufacturers and helicopter operators, as well as for the military.

Smiths Industries Aerospace
& Defense Systems, Inc.
P.O. Box 275
18 Great Valley Parkway
Malvern, PA 19355
☎215-296-5000 ☐5106685025
President & CEO: Geoffrey S.M. Hedrick
Vice President, Marketing: William N. Brooks
Vice President, Finance: Ronald C. Albrecht
Services: Manufacture air data computers, performance computer systems, primary flight instrumentation, fuel gauging, engine instruments & elect. clock.

● *Indicates page of advertisement*

Soloy Conversions, Ltd.
450 Pat Kennedy Way, S.W.
Olympia Way, WA 98502
☎206-754-7000 □5107850241
President: Joe I. Soloy
Marketing Group Manager: Randy Furtick
International Sales Manager: Tim Koester
Domestic Sales Manager: Nick Parkinson
Services: Turbine conversion packages for Bell 47 series, Hiller 12E series helicopters, Cessna 206, 207, 185, 210 and various other fixed wing products, along with a portable heliport.

Sony Trading Corporation
10-18 Takanawa, 4-Chome
Minato-Ku, Tokyo, 108, Japan
☎03-448-3136 □2424328
President/CEO: Tetsuro Yotsumoto
Managing Director: Matsuji Kato
Services: Aerospatiale's helicopter sales agent and distributor in Japan.

Southeastern Aviation Underwriters, Inc.
P.O. Box 20439
Atlanta, GA 30325
☎404-351-8303 □542550
President/CEO: John A. Myers
Vice Chairman: William W. Brown
Senior Vice President: Robert M. Glinane
Vice President: W. Floyd Garner
Services: Aviation physical damage and liability insurance.

Southeastern Aviation Underwriters, Inc.
Metro Los Angeles
3200 Wilshire Boulevard, Suite 900
Los Angeles, CA 90010
☎213-380-4630 □673126
Branch Manager: Chris Spencer
Services: Aviation physical damage and liability insurance.

Southeastern Aviation Underwriters, Inc.
Northeast Territory
1373 Broad Street
Clifton, NJ 07013
☎201-777-6000 □133507
Branch Manager: Graydon Toulmin
Services: Aviation physical damage and liability insurance.

Southeastern Aviation Underwriters, Inc.
Western Territory
4000 MacArthur Boulevard, Suite 4100-W
Newport Beach, CA 92660
☎714-851-9382 □182277
Branch Manager: Scott Brown
Services: Aviation physical damage and liability insurance.

Southeastern Aviation (Texas), Inc.
Southwest Territory
4835 LBJ Freeway, Suite 200
Dallas, TX 75234
☎214-661-5300 □750553
Branch Manager: Barbara J. Wells
Services: Aviation physical damage and liability insurance

Southeastern Aviation (Illinois) Corp.
Midwest Territory
10 S. Riverside, Suite 2156
Chicago, IL 60606
☎312-559-0909
Branch Manager: Robert Watson
Services: Aviation physical damage and liability insurance

Southern Marine & Aviation Underwriters, Inc.
610 Poydras Street
New Orleans, LA 70130
☎504-524-4131 □58275
President: Roger J. Schuler
Vice President: Stephen P. Dinsdale
Vice President, Marketing: Doyle P. Spell
Services: Provide helicopter insurance for all classes of helicopters operated by U.S. corporations.

Spartin Instruments International
10815 Fallstone Road
Houston, TX 77099
☎713-933-9711
President: H. Joe Englert
Marketing Manager: Charles V. Brothers
Services: Aircraft audio and interphone manufacturing.

Spectrolab, Inc.
12500 Gladstone Avenue
Sylmar, CA 91342
☎213-365-4611 □9104961750
President/CEO: Lawrence M. Spicer
Vice President, Marketing: Bryan P. Roland
Product Line Manager: Robert Chandler
Marketing Administrator: Sylvia J. Brennan
Services: Helicopter accessories and searchlight equipment.

You trust your engine repair to experts–

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Stockton, Calif. 95205
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TWX 510-765-5162

Sperry Corporation
Flight Systems Avionics Division
5353 W. Bell Road
Glendale, AZ 85308
☎602 863-8000 □668419
Marketing Manager: John P. Dietrich
Exhibits & Guest Services: Kaye Eibeck
Services: Sales & service of flight control systems and airborne weather radar.

Standard Aero Ltd.
33 Allen Dyne Road
Winnipeg International Airport
Winnipeg, MB, R2R 0S8, Canada
☎204-775-9711 □0757878
Vice President & General Manager:
D. M. Finlev
Vice President, Marketing/Sales:
Hugh T. Goldie
Vice President, Finance & Administration:
D. A. Pilley
Services: Repair, overhaul, and servicing of aircraft turbine and reciprocating engines and fuel, oil, hydraulic and electrical accessories.

Stephen L. Way International
5 Becker Farm Road
Roseland, NJ 07068
☎201-994-2225 □136296
President: John O. Eshbaugh
Vice President: John Matthews
Services: Aviation insurance.

Stewart Smith/
Stewart Wrightson Organization
125 S. Wacker Drive, Suite 2500
Chicago, IL 60606
☎312-236-7333 □206154
Assistant Vice President: John R. Howard
Services: Insurance.

Summit Aviation
Summit Airpark
Middletown, DE 19709
☎302-834-5400 □835499
General Manager: Edward Conaway
Avionics Manager: Paul Newberry
Aircraft Sales Manager: Dennis Einstein
Sales Representative: Larry Belhumeur
Charter Manager: Joseph Hortiz
Services: Avionics repair and completions.

Summit Design & Marketing Inc.
Annapolis City Marina, Suite 315
P.O. Box 4815
Annapolis, MD 21403
☎301-268-1882
President: William H. Clark
Services: Summit services include conceptual planning, design and production of marketing programs. Corporate identity & sales presentations.

Superior Aviation Services, Inc.
3004 Silverton Drive
Dallas, TX 75229
☎214-484-1614
Owner/President: Tracy Williams
Services: Helicopter & airplane repairs.

Switlik Parachute Company, Inc.
1325 E. State Street
Trenton, NJ 08607
☎609-587-3300 □843421
President: Richard Switlik, Sr.
Vice President: Richard Switlik
Sales: Kathleen Holland
Services: Manufacturer of airline safety equipment.

Symbolic Displays, Inc.
P.O. Box 19626
Irvine, CA 92713
☎714-546-0601 □9105951756
President/CEO: Nancy D. Wood
Vice President: Guy E. Morris
Marketing Administrator: Kitty Wantje
Services: Manufacturer of lighting systems, computer fuel management systems, display panels, avionic accessories and lighted keyboards.

Synergetics, Inc.
13611 Heartside Place
Dallas, TX 75234
☎214-241-2891
President: Richard C. Serkland
Vice President: Steven S. Cone
Services: Manufacture helicopter boarding aids.

Systems Control Technology, Inc.
Champlain Technologies Industries Division
2326 S. Congress Avenue
West Palm Beach, FL 33406
☎305-968-4200
Vice President Division Manager,
Air Transportation Systems:
Donald W. Richardson, Ph.D.
Operations Manager: Rich Adams
Project Manager: Jack Thompson
Project Manager: Cathy Nickolaisen
Services: Investigative aviation research including: heliport design & systems planning, avionics, navigation, pilot workload, safety evaluations, operations/management analyses, & market studies

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Systron-Donner
Safety Systems Division
935 Detroit Avenue
Concord, CA 94518
☎415-671-6698 ☐337611
General Manager: Joseph G. Wolfslau
Marketing Manager: Shay T. Pickton
Engineering Manager: Kevin A. Faughnan
Chief Applications Engineer: Rocky R. Aicale
Services: Manufacturer of aircraft and industrial fire and overheat detection equipment.

(TEDECO) Technical Development Co.
24 E. Glenolden Avenue
Glenolden, PA 19036-2198
☎215-583-9400 ☐831429
President: Thomas Tauber
Vice President, Marketing: Henry M. Belman
Vice President, Public Relations: Brian Collins
Sales Manager Aerospace: Robert F. Fenlon
Services: Largest manufacturer of on-aircraft oil debris monitory devices in the world. Other capabilities include aircraft fluid system accessories & products for the industrial & military/mobile market.

TOTAL Compagnie Francais
204 Rond-Point du Pont Sevres
92515 Boulogne Billancourt
Cedex, France
☎16206843 ☐201456 F
Air Logistics Engineer: J. Baldus
Services: Exploration - production; crude oil.

TRW Aircraft Components
Power Accessories Division
23555 Euclid Avenue
Cleveland, OH 44117
☎216-692-5965
Vice President/Division Manager: R.T. Craig
Manager, Aircraft Accessories: R.L. Schroeder
Romnts. Manager: P.D. Totedo
Senior Sales Engineer: James B. Nolish
Senior Sales Engineer: P. Lexow
Services: Design, manufacture assembly & test of aircraft & engine fuel pumps & accessories; propulsion assemblies for underwater weapons systems; & electromechanical assemblies for nuclear power generation.

TSI, Inc.
500 Cardigan Road
Saint Paul, MN 55164
☎612-546-4056 ☐6879024
President/CEO: Leroy M. Fingerson
Vice President, Marketing:
R. "Sat" Sathyakumar
Account Manager. Scott D. Jensen
Services: Manufacture low air speed systems.

Taylor Aircraft Sales, Inc.
P.O. Box 1391
Cushing, OK 74023
☎918-225-5071
President: Oscar Taylor
Vice President: Scott Syler
Services: Manufacture "Helicart" ground handling equipment for most popular helicopters. Available as manual or self-propelled.

Tech Tool Plastics, Inc.
7800 Skyline Park Drive
Fort Worth, TX 76108
☎817-246-4694
President: John E. Wilson
Vice President: Emma Jo Wilson
Services: Helicopter plexiglass windows.

Teledyne Battery Products
P.O. Box 431
840 W. Brockton Avenue
Redlands, CA 92374
☎714-793-3131 ☐676438
President: Lee Wenzel
Vice President, Marketing: Lee Greisch
Manager OEM Sales: Dick Ruff
Services: Manufacturers of the "GILL" lead acid aircraft battery line.

Teledyne Neosho
P.O. Box 648
Neosho, MO 64850
☎417-451-1810 ☐9107704963
President: Wayne D. Ortloff
Executive Vice President: M.A. Barbettini
Public Relations: G.D. Wilson
Services: Major overhauler of turbo prop and jet aircraft engines and a manufacturer of aircraft precision gears for the aircraft industry.

Teledyne Systems Company
19601 Nordhoff Street
Northridge, CA 91324
☎213-886-2211 ☐9104931249
President/CEO: Harry Halamandaris
Vice President, Marketing: Virgil Romiti
Public Relations: Jan Thomis
Loran Program Manager: Jerry Hillard
Services: Avionics.

Telex Communications, Inc.
9600 Aldrich Avenue, South
Minneapolis, MN 55420
☎612-884-4051 ☐297053
President: Ansel Kleiman
Vice President, Marketing: James F. Arrington
National Sales Manager: W.B. Gore
Director, Marketing Services: Peter Schwarz
Services: Manufacturer of aviation communications equipment; headsets and microphones.

Tennant Co.
701 N. Lilac Drive
Minneapolis, MN 55422
☎612-540-1200 ☐290451
President: Roger Hale
Vice President, Marketing: James Mannelly
Trade Show Coordinator: Philip Hernandez
Services: Manufacturer of power sweepers and power scrubbers, floor treatment materials including chemical resistant urethane.

Terra Corporation
3520 Pan American Freeway, N.E.
Albuquerque, NM 87107
☎505-884-2321
President: Richard W. Donovan
Vice President, Marketing: Morris Venezia
Services: Manufacturer of avionics.

Texaco, Inc.
Aviation Transport Division
177 Industrial Avenue
Teterboro, NJ 07608
☎201-288-1894
Manager: Les B. Gerlach
Head Pilot: R.J. Lampton
Services: Other base address: P.O. Box 5096, Houma, LA 70360.

Texas Apparel, Inc.
P.O. Box 7568
Amarillo, TX 79114
☎806-359-0331
President: Sharon Nix
Services: Manufacturer of flight suits and uniforms.

Texas Instruments
Navigation Systems
P.O. Box 405; Mail Stop 3438
Lewisville, TX 75067
☎214-462-5220 ☐73324
Marketing Manager: Gary C. Howe
Consumer Services: Henry M. Meltzer
Advertising: Dianne Manning
Service Manager: Buddy Meek
Services: Manufacturer of avionics.

Texstar Plastics Company
P.O. Box 534036
Grand Prairie, TX 75053
☎214-647-1366 ☐0732397
President/CEO: Earl I. Jones
Vice President, Marketing: T.R. Weatherred
Public Relations: John R. Haines
Sales: Ernest E. Whitfield
Services: Custom plastic fabricator of transparencies, interiors, ducting and coating, forming and molding.

Tiodize Co., Inc.
15071 Industry Lane
Huntington Beach, CA 92649
☎714-898-4377
President: Thomas R. Adams
Services: Dry film lubricants, coatings, anodizing on aluminum and titanium, composites.

54 **Tracor Aviation**
495 S. Fairview Avenue
Goleta, CA 93117
☎805-967-4571 ☐9103341176
President/CEO: Earl H. Richmond
Vice President, Product Sales: Jack Meade
Manager, Program/Sales: Sam Hewitt
Advertising: Judith Salig
Services: EMS/utility conversion for Hughes 500/530 helicopters. Aircraft manufacturing & modifications.

154 **Transamerica Airlines**
P.O. Box 2504
Airport Station
Oakland, CA 94614
☎415-577-6200 ☐336320
Director, Cargo Sales: Barry S. Freeman
Cargo Sales Manager: Jack R. Owens
Services: Air cargo charter/airline.

Trilectron Industries, Inc.
300 Ninth Avenue
Hawthorne, NJ 07506
☎201-423-4005 ☐7109954414
Marketing Manager: Elissa Soyka
Sales Representative: Cecilia Turula
Services: Tug/GPU combinations, engine driven GPUs, electrically operated power units, 400 HZ units from 40 to 90 KVA, ground air conditioning & air units for starting.

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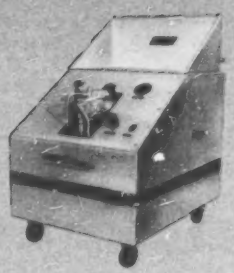

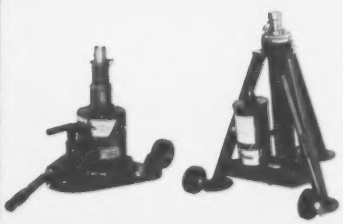

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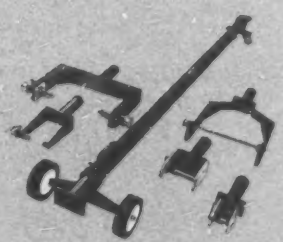

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194 **Tronair, Inc.**
S. 1740 Eber Road
Holland, OH 43528
☎419-866-6301 ☐8104402839
General Manager: Wayne A. Geraci
Marketing/Sales: Ron W. Dossat
Services: Manufacturer of towbars, hydraulic service equipment, jacks, engine stands, electric & hydraulic power equipment and other GSE.

Tug-A-Lug, Inc.
41614 102nd Street, East
Lancaster, CA 93534
☎805-944-1910
President: Donald A. Harman
Services: Manufacture helicopter and small aircraft ground handling equipment.

Turbine Casing
Division of Vac-Hyd Corporation
2800 Avenue E East
Arlington, TX 76011
☎817-860-9022 ☐758672
General Manager: Dwight Sobczak
Operations Manager: John Kasavich
Commercial Marketing Manager: Ken Suarez
Services: Engine component repair.

Turbo West Corpac, Inc.
Jefferson County Airport
Broomfield, CO 80020
☎303-469-6671 ☐454564
President: Chris Finnoff
Vice President: Bruce Chiddister
Vice President, Service: Douglas Stimpson
Helicopter Maintenance Manager: Michael Cochran
Services: Factory approved service center for Bell 206 series.

Turbomach Division
of Solar Turbines, Inc.
4400 Ruffin Road
San Diego, CA 92123
☎619-238-2832 ☐9103351502
Vice President/General Manager: R.W. Detweiler
Director, Marketing & Product Support: W.E. Forman
Marketing Administrator: D.R. Louis, Jr.
Manager, Product Support: W.R. Childers
Services: Manufacture small gas turbines for rotary wing and fixed wing commercial and military APUs and various ground power applications.

199 **Turbomeca**
Bordes
64320 Bizanos, France
☎59-328437 ☐560928
Chairman: Joseph Szydlowski
Vice President: Gerard Pertica
Assistant General Manager: Marcel Tavernier
Commercial Manager: Pierre Vauterin
Services: Design, manufacturer, sale and product support of turboshaft engines for helicopters.

USAIG (United States Aircraft Insurance Group)
One Seaport Plaza
199 Water Street
New York, NY 10038
☎212-952-0100 ☐129206
President/CEO: John V. Brennan
Vice President, Marketing: Richard R. McGreal
Senior Vice President: George W. Meehan
Services: Aviation insurance.

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Union Carbide Coatings Service
P.O. Box 24901
Indianapolis, IN 46224
☎317-299-1935 ☐276401
Manager, Market Development: G.J. Pappaionou
Sales Promotion Manager: David O. Armstrong
Sales Manager, Dallas: W.B. Campbell
Services: Supplier of wear resistant metal and ceramic coatings.

Universal Navigation Corp.
3545 W. Lomita Boulevard
Unit F
Torrance, CA 90505
☎213-325-4081 ☐705806
President: Hubert L. Naimer
Executive Vice President: Charles H. Edmondson
Vice President of Engineering: Charles A. Pullen
Director: Karl Frudenfeld
Manager, Technical Support: John Tymczyszyn
Services: Avionics manufacturing.

University of Southern California Institute of Safety & Systems Management
Room 104, MC0021
University Park
Los Angeles, CA 90089-0021
☎213-743-6523 ☐181101
Associate Executive Director: Richard K. Brown
Services: USC offers the premiere program of aviation safety courses for the international aviation community (fixed wing and rotary wing).

Uscan Aviation Sales Ltd.
Rural Route 4
Alliston, ON, L0M 1A0, Canada
☎705-435-4031
President: Douglas V. Beamish
Executive Vice President: Ernest Grant
Vice President: Howard Barrie
Services: Maintenance, repair & overhaul facility specializing in repairs to crash damaged helicopters. M.O.T. & factory approved for Bell service.

Utah Research & Development Co. Inc.
7915 South 1530 West
W. Jordan, UT 84084
☎801-561-9385 ☐9109255123
President: William A. Boyd
Executive Vice President: Lowell K. Brown
Executive Vice President: Glenn N. Waterman
Marketing Engineer: F. Herman Shipman
Services: Manufacturer of airborne battery chargers and AC-DC converters.

Van Dusen Air, Inc.
2626 E. 82nd Street
Minneapolis, MN 55420
☎612-854-8776
President/COO: Eugene A. DePalma
Vice President, Marketing: A.A. Coletto, Jr.
Services: Aircraft parts distributor; overhaul of piston turbine engines; fuel and aircraft ground services.

Vertical Aeronautics International
14423 Sylvan Street
Van Nuys, CA 91401
☎818-901-1434
President: Lee Ambers
Vice President: Robert Edholm
Services: Heliport consultants.

Vibrachoc Technologies, Inc.
3802 N. 53rd Avenue, Suite 112
Phoenix, AZ 85031
☎602-245-0286 ☐667435
President: Jerry B. Overton
Director of Finance: Russell A. Olson
Services: Anti-vibration products for aerospace application.

Weco Inc., Aerospace Systems
4206 W. Burbank Boulevard
P.O. Box 6547
Burbank, CA 91505
☎213-845-8711 ☐698522
Board Chairman/CEO: Hal Weygandt
President: Bill Weygandt
V.P., Marketing Manager: Ted Eversole
Marketing Account Manager: George Bartek
Services: Electrical and electronic accessories. Sales, overhaul, exchange and parts. Distributor for Leland Electrosystems.

Western Aircraft Maintenance Inc.
Morrison-Knudsen Co., Inc.
4444 Aeronca Street
Boise, ID 83705-5090
☎208-386-5571 ☐368439
President/CEO: J.J. Olsen
Helicopter Department Manager: Ralph Chadburn
Services: Overhaul specialists: Aerospatiale - Alouette, Lama, AStar, Twin Star, Gazelle; Bell 206; Allison 250 series II engines; warranty; part sales.

35 **Westland Helicopters Limited**
Yeovil
Somerset, BA20 2YB, England
☎0935-75222 ☐46277
Divisional Director: T.P. Brennan
General Sales Manager: Malcolm Reid
Publicity Manager: John Snelling
Services: Helicopter design and manufacture. Helicopter product support.

Westland Inc.
1735 Jefferson Davis Highway
Suite 805
Arlington, VA 22202
☎703-486-8000
President: Robert Gladwell
Vice President, Finance: Jeffery R. Fausett
Vice President, Commercial: Rodger Munt
Vice President, Customer Support: John Driver
Services: Helicopter sales and support.

Wulfsberg Electronics, Inc.
11300 W. 89th Street
Overland Park, KS 6214
☎913-492-3000 ☐424242
President/CEO: Glenn M. Bergmann
Vice President of Sales: H. Jack Hanslip
Services: Manufacturer of airborne radio telephones, VHF AM, VHF & UHF FM communications and VHF AM base stations.

Yehnert Helicopter Inc.
1049 AirportDrive
Upland, CA 91786
☎714-985-3618
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Grand Prairie, TX U.S.

Aerospatiale Helicopter Division
La Courneuve, France

Agusta Aviation Corp.
Philadelphia, PA U.S.

Bell Helicopter Textron Inc.
Fort Worth, TX U.S.

Boeing of Canada Ltd.
Winnipeg, MB, Canada

Boeing Vertol Co.
Philadelphia, PA U.S.

California Helicopter Intl.
Sun Valley, CA U.S.

Canadair Ltd.
Montreal, PQ, Canada

Cessna Aircraft Co.
Wichita, KS U.S.

Costruzioni Aeronautiche
Roma, Italy

Enstrom Helicopter Corp.
Menominee, MI U.S.

Helicopter Leasing & Service
Tampa, FL U.S.

Hiller Helicopters
Porterville, CA U.S.

Hughes Helicopters, Inc.
Culver City, CA U.S.

Kawasaki Heavy Industries, Ltd
Minato-Ku, Tokyo, Japan

MBB - Helicopter & Transport Div.
Munich, West Germany

MBB Helicopter Corp.
West Chester, PA U.S.

Mitsubishi Aircraft
Dallas, TX U.S.

Robinson Helicopter Co.
Torrance, CA U.S.

Schweizer Aircraft Corp.
Elmira, NY U.S.

Sikorsky Aircraft
Stratford, CT U.S.

Westland Helicopters Ltd.
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Westland Inc.
Arlington, VA U.S.

Airframe repair & overhaul

Associated Air Center
Dallas, TX U.S.

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California Helicopter Intl.
Sun Valley, CA U.S.

Composite Technology, Inc.
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Delta Rotorcraft Ltd.
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FFV Maintenance
Linkoping, Sweden

Frontier Pacific Aircraft Industries, Inc.
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Heli Orient (PTE) Ltd.
Singapore

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Tulsa, OK U.S.

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Broomfield, CO U.S.

Uscan Aviation Sales Ltd.
Alliston, ON, Canada

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Westland Inc.
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Yehnert Helicopter Inc.
Upland, CA U.S.

Associations & clubs

American Society of Hospital Based Emergency Air Medical Services (ASHBEAMS)
Mission Viejo, CA U.S.

National Flight Nurses Assn.
Long Beach, CA U.S.

Audio systems & headset manufacturers/distributors

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Inglewood, CA U.S.

David Clark Company Inc.
Worchester, MA U.S.

Spartin Instruments
Houston, TX U.S.

Telex Communications, Inc.
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Audio systems repair/overhaul

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Inglewood, CA U.S.

Avionics manufacturers/distributors

ARNAV Systems, Inc.
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Astronautics Corp.
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Aviation Instrument Manufacturing (AIM)
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B & D Instruments, Inc.
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Olathe, KS U.S.

Litton Industries, Inc.
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Litton Systems Canada Ltd.
Rexdale, ON, Canada

Louis Newmark PLC
Surrey, England

3M Stormscope® Weather Mapping Systems
Columbus, OH U.S.

Maroc-Aviation
Paris, France

Micrologic Avionics
Chatsworth, CA U.S.

Midland Ross Corp.
Urbana, OH U.S.

Narco Avionics Inc.
Fort Washington, PA U.S.

Negretti Aviation, Inc.
Nashua, NH U.S.

Northern Airborne Technology
Prince George, BC, Canada

Novatech Corp.
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Offshore Navigation, Inc.
New Orleans, LA U.S.

Penny & Giles Transducers Ltd.
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S.F.I.M.
Massy, France

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Velizy-Villacoublay, France

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Sperry Corp.
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Albuquerque, MN U.S.

Texas Instruments
Lewisville, TX U.S.

Universal Navigation Corp.
Torrance, CA U.S.

Wulfsberg Electronics, Inc.
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Avionics repair/overhaul

ARNAV Systems, Inc.
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CMC Electronics, Inc.
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Montreal, PQ, Canada

Heli Orient (PTE) Ltd.
Singapore

King Radio Corp.
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Maroc-Aviation
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Narco Avionics Inc.
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Summit Aviation
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Marathon Flite-Tronics Co.
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Completions & modifications

Aero Design Plus Inc.
Swanton, OH U.S.

Aeronautical Accessories Inc.
Bristol, TN U.S.

Aviall
Dallas, TX U.S.

Custom Aircraft Interiors
Teterboro, NJ U.S.

Gull, Inc.
Smithtown, NY U.S.

Helicopter Leasing & Service
Tampa, FL U.S.

Helicopter Welders of Canada
Richmond, BC, Canada

Micro-Surface Finishing
Wilton, IA U.S.

SFENA Corp.
Grand Prairie, TX U.S.

Soloy Conversions, Ltd.
Olympia Way, WA U.S.

Summit Aviation
Middletown, DE U.S.

Tracor Aviation
Goleta, CA U.S.

Yehnert Helicopter Inc.
Upland, CA U.S.

Component & spare parts manufacturers/distributors

Air Associates, Inc.
Skokie, IL U.S.

Associated Air Center
Dallas, TX U.S.

The BF Goodrich Co.
Akron, OH U.S.

Bertrand Products, Inc.
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Bristol Aerospace Ltd.
Winnipeg, MB, Canada

John Cameron Aviation
Sydney, NSW, Australia

Champion Spark Plug Co.
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Comant Industries, Inc.
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Connecticut Machine Products, Inc.
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Dart Aero Systems Inc.
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Dorne & Margolin, Inc.
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Fuji Industries Corp.
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Heli-Mart Inc.
Long Beach, CA U.S.

Helicomb International, Inc.
Tulsa, OK U.S.

Helicopter Logistics, Inc.
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Hermetic Aircraft Instrument Corp.
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Hitchcock Industries, Inc.
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Texstar Plastics Co.
Grand Prairie, TX U.S.

Van Dusen Air, Inc.
Minneapolis, MN U.S.

Vibrachoc Technologies, Inc.
Phoenix, AZ U.S.

Weco Inc., Aerospace Systems
Burbank, CA U.S.

Component & spare parts repair/overhaul

Airfoil, Division of Vac-Hyd Corp.
Grand Prairie, TX U.S.

Apeiron Technology, Inc.
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Atlantic Aviation Corp.
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Engine manufacturers/distributors

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Pall Corp.
Glan Cove, NY U.S.

Plessey Aerospace Ltd.
Hampshire, England

Pooley's Div.
Fremont, CA U.S.

TRW Aircraft Components
Cleveland, OH U.S.

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FPT Industries, Ltd.
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Cleveland, OH U.S.

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Torrance, CA U.S.

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Orlando, FL U.S.

Energy Tactics, Inc.
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Hansome Energy Systems
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Lester Industries, Inc.
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Vibrachoc Technologies, Inc.
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Heating & air conditioning manufacturers/distributors

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Dorval, PQ, Canada

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Frontier Pacific Aircraft Industries, Inc.
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Heli-Mart Inc.
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Sam Kleinman & Associates
Los Angeles, CA U.S.

Mira Slovak Aviation
Santa Paula, CA U.S.

Mitsui & Co. (USA) Inc.
Irving, TX U.S.

Nash Helicopter Associates Ltd.
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Nozaki & Co. Ltd.
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Soloy Conversions, Ltd.
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Tokyo, Japan

Heliport consulting/planning

Aerospace Management Services Intl., Inc. (AMSI)
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Helicopter Consulting Inc.
Porterville, CA U.S.

Heliport Systems, Inc.
Morristown, NJ U.S.

Lincoln Airpark
Rancho Cordova, CA U.S.

Norsk-Lander, Inc.
Federal Way, WA U.S.

Oil Industry Services A/S
Vaagsbygd, Norway

Soloy Conversions, Ltd.
Olympia Way, WA U.S.

Systems Control Technology, Inc.
West Palm Beach, FL U.S.

Vertical Aeronautics Int'l.
Van Nuys, CA U.S.

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Downing Electronics, Inc.
Northridge, CA U.S.

Energy Tactics, Inc.
Bohemia, NY U.S.

Oil Industry Services A/S
Vaagsbygd, Norway

Synergetics, Inc.
Dallas, TX U.S.

Hydraulic systems manufacturers/distributors

Abex Corp.
Oxnard, CA U.S.

Avmar Inc.
Grand Prairie, TX U.S.

Facet Enterprises, Inc.
Greensboro, NC U.S.

General Aviation Branch,
Parker Hannifin Corp.
Elyria, OH U.S.

HR Textron, Inc.
Valencia, CA U.S.

Hydraulic systems repair/overhaul

Abex Corp.
Oxnard, CA U.S.

Accessory Service Inc.
Valencia, CA U.S.

FAS-Orient (Pte.) Ltd.
Singapore

Flight Accessory Services
Sun Valley, CA U.S.

HR Textron, Inc.
Valencia, CA U.S.

Sky Controls, Inc.
Sun Valley, CA U.S.

Instrument, gauges, switches manufacturers/distributors

Aero Mechanism, Inc.
Chatsworth, CA U.S.

Aeronetics
Elk Grove Village, IL U.S.

Ametek, U.S. Gauge Div.
Paoli, PA U.S.

Aviation Instrument Manufacturing (AIM)
Austin, TX U.S.

B & D Instruments, Inc.
Valley Center, KS U.S.

A. Biederman Inc.
Glendale, CA U.S.

Castleberry Instruments & Avionics
Austin, TX U.S.

Gables Engineering, Inc.
Coral Gables, FL U.S.

Honeywell Inc.,
Commercial Aviation Operations
Minneapolis, MN U.S.

Howell Instruments, Inc.
Fort Worth, TX U.S.

Instrument Specialities Co.
Euless, TX U.S.

Instrument Tech Corp.
Dallas, TX U.S.

Intercontinental Dynamics Corp.
Englewood, NJ U.S.

Jaeger Aviation Corp.
Everett, WA U.S.

Kollsman Instrument Co.
Merrimack, NH U.S.

Leigh Instruments Ltd.
Ottawa, ON, Canada

Litton Systems Canada Ltd.
Rexdale, ON, Canada

Louis Newmark PLC
Surrey, England

3M Stormscope® Weather Mapping Systems
Columbus, OH U.S.

Masco Service Corp.
Dallas, TX U.S.

McAllister Engineering Enterprises
Kent, WA U.S.

Silver Instruments, Inc.
Oakland, CA U.S.

J.T. Slocomb Co.
S. Glastonbury, CT U.S.

Symbolic Displays, Inc.
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TSI, Inc.
Saint Paul, MN U.S.

Instrument, gauges, switches repair/overhaul

Barfield Instrument Corp.
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Barfield Instrument Corp.
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Castleberry Instruments & Avionics
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Executive Instruments, Inc.
Addison, TX U.S.

Instrument Specialities Co.
Euless, TX U.S.

Instrument Tech Corp.
Dallas, TX U.S.

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Salem, OR U.S.

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Miami, FL U.S.

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Insurance & finance

Aggressive Aviation Insurance
Woodland Hills, CA U.S.

Airclaims, Inc.
Bethesda, MD U.S.

Associated Aviation Underwriters
New York, NY U.S.

Aviation Office of America, Inc
Dallas, TX U.S.

Bayly Martin & Fay Aviation
Los Angeles, CA U.S.

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Newport Beach, CA U.S.

Bayly Martin & Fay of Washington
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Bayly, Martin & Fay, Inc.
Philadelphia, PA U.S.

C.E. Heath & Co. (Aviation) Ltd.
London, England

Commercial Credit Equipment Corp.
Baltimore, MD U.S.

Dale & Co. Ltd.
Montreal, PQ, Canada

Delaney Insurance Services
San Francisco, CA U.S.

Ed Marshall Insurance, Ltd.
Salem, VA U.S.

Finalco Aircraft Leasing, Inc.
McLean, VA U.S.

Frank B. Hall Intl.
Los Angeles, CA U.S.

General Electric Credit Corp.
Wilton, CT U.S.

Helilease International Inc.
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Houston Casualty
Houston, TX U.S.

Houston Casualty
Los Angeles, CA U.S.

Inchcape Aviation Holdings Ltd.
Hong Kong

Insurance Co. of North America
New York, NY U.S.

Insured Aircraft Title Insurance
Oklahoma City, OK U.S.

Inter Assessoria Aeronautica Ltda.
Rio de Janeiro, Brazil

Johnson & Higgins
New York, NY U.S.

Houston Casualty Company

Aviation insurance specialists

Offices located in

Houston, Texas

13403 Northwest Freeway
Houston, Texas 77040
Rapifax: (713) 462-4210
(713) 462-1000 Telex: 77-5999

Los Angeles, California

3250 Wilshire Blvd.
Los Angeles, California 90010
Rapifax: (213) 389-0286
(213) 380-1884 Telex: 67-4801

Insurance & Finance (cont'd)

Lawton-Byrne-Bruner
St. Louis, MO U.S.

Marsh & McLennan, Inc.
Los Angeles, CA U.S.

Ocean Air Insurors Ltd.
St. Louis, MO U.S.

Reed Stenhouse, Inc.
New York, NY U.S.

Rollins Burdick Hunter
Wichita, KS U.S.

Southeastern Aviation Underwriters, Inc.
Atlanta, GA U.S.

Southeastern Aviation Underwriters, Inc.
Metro Los Angeles
Los Angeles, CA U.S.

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Clifton, NJ U.S.

Southeastern Aviation Underwriters, Inc.
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Southeastern Aviation (Illinois) Corp.
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Southeastern Aviation (Texas), Inc.
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Southern Marine & Aviation
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Stephen L. Way Intl.
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Stewart Smith/Stewart Wrightson Organization
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USAIG (U.S. Aircraft Insurance Group)
New York, NY U.S.

Load equipment manufacturers/distibutors

Breeze Eastern Corp.
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Chadwick, Inc.
Sherwood, OR U.S.

Measurement Systems Intl.
Seattle, WA U.S.

Pedley-Knowles & Co.
San Francisco, CA U.S.

SEI Industries Ltd.
Vancouver, BC, Canada

Publishing

Aviation Equipment Maintenance Magazine
Lincolnwood, IL U.S.

Aviation Maintenance Publishers, Inc.
Riverton, WY U.S.

Business & Commercial Aviation
White Plains, NY U.S.

Flight International Magazine
New York, NY U.S.

Flying Magazine
New York, NY U.S.

HELICOPTER International Magazine
Avon, England

Helicopter Financial Services, Inc.
Skokie, IL U.S.

Helicopter World
Bucks, England

Interavia Publishing Group
Geneva-Cointrin, Switzerland

Professional Pilot Magazine
Washington, DC U.S.

Publishers for Conventions, Inc.
Pittsburgh, PA U.S.

Rotor & Wing International
Peoria, IL U.S.

Service industries/consultants

Aerospace Management Services International, Inc. (AMSI)
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American Aviation Services
St. Louis, MO U.S.

Aviation Consulting Inc.
Manhasset, NY U.S.

Aviation Management Services Corp.
Springfield, VA U.S.

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Geostar Corp.
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Heliport Systems, Inc.
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Simulators & trainers manufacturers/distributors

Atc® Flight Simulator Co.
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Frasca International, Inc.
Champaign, IL U.S.

Pacer Systems, Inc.
Burlington, MA U.S.

Rediffusion Simulation Ltd.
Sussex, England

Survival equipment manufacturers/distributors

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Air & Sea Inflatables, Inc.
Lafayette, LA U.S.

Apeiron Technology, Inc.
El Segundo, CA U.S.

The BF Goodrich Co.
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Beaufort Air-Sea Equipment Ltd.
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Bohemia, NY U.S.

Eastern Aero Marine
Miami, FL U.S.

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SOS Rescue & Survival Tool
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Trenton, NJ U.S.

Transmission & drive repair/overhaul

Aircraft Gear Corp.
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Associated Air Center
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Test & monitoring equipment manufacturers/distributors

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El Monte, CA U.S.

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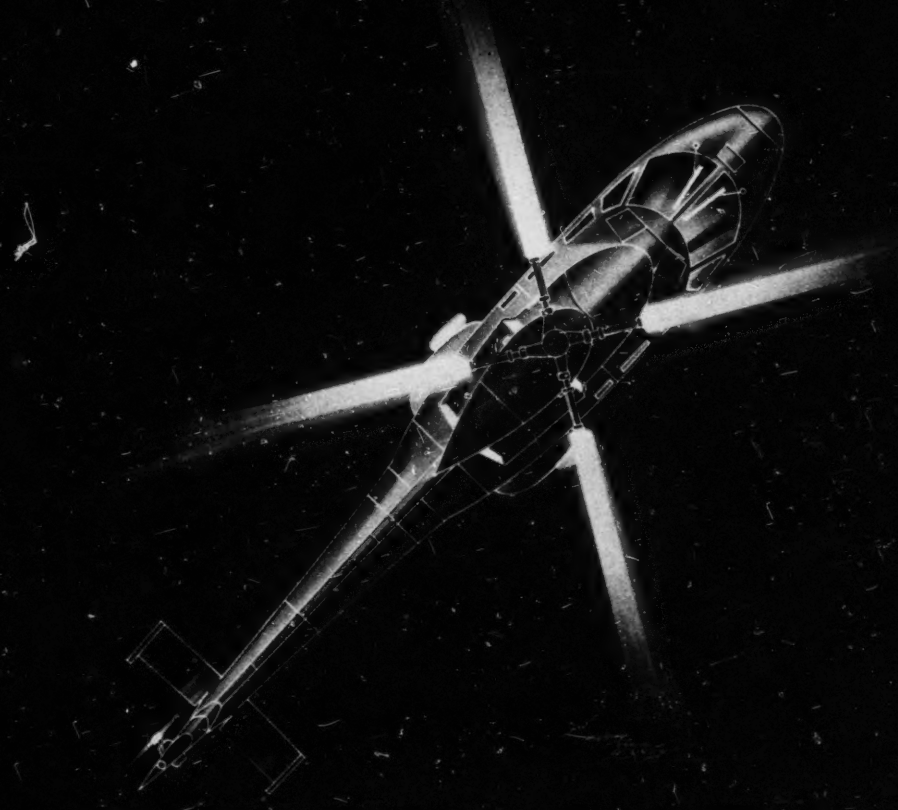

The Fairchild Vapor Cycle Cooling System

Helicopters with air cycle cooling systems literally bleed part of the compressed air from the engine to make this system work.

This means that air cycle cooling systems also bleed the engine of some of its power. The helicopter's lift capability is reduced. Its duration and range of flight are reduced. And when the aircraft is on the ground, the system cannot even provide adequate cooling. This results in sweltering cabin conditions on hot days. In other words, when you bleed compressed air from the engine with an air cycle cooling system, you also bleed the engine of its efficiency.

Fairchild Control's vapor cycle cooling system does not bleed air from the engine. It's a closed loop cooling system that utilizes fresh air, not bleed air. The operating advantages are enormous.

For example, a modern twin-turbine helicopter can gain up to 7% more usable SHP and use 4% less fuel. Lift capability is far greater, especially in high-hot conditions. Range and duration are markedly increased. This improved performance means greater safety and lower flight limitations. You travel in a comfortable environment with five tons of cooling available in flight or while idling on the ground.

Fairchild Controls is the number one company in vapor cycle cooling. These systems are lightweight, compact, and designed to aerospace quality standards. Fairchild has been building them for over 25 years. This is why leading helicopter manufacturers request the Fairchild vapor cycle cooling system. And why they are installed in the U.S. Presidential helicopter fleet.

For more information about the Fairchild vapor cycle cooling system, call or write to Fairchild today. We're doing something about the problem of bleeding helicopters.

Fairchild Control Systems Company
1800 Rosecrans Ave.
Manhattan Beach, California 90266
Tel: (213) 643-9222 Telex: 910 325 6216

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FlightSafety Intl.
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Lafayette, LA U.S.

Embry-Riddle Aeronautical University
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Hynes Aviation Industries
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Greenlawn, NY U.S.

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Houston, TX U.S.

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M & N Plastics, Inc.
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Mira Slovak Aviation
Santa Paula, CA U.S.

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Warks, England

Norsk-Lander, Inc.
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Norton Co.
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PLM Transportation Equipment Corp.
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San Francisco, CA U.S.

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Valley Park, MO U.S.

Professional Helicopter Services, Inc.
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SEI Industries Ltd.
Vancouver, BC, Canada

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Oakland, CA U.S.

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University of Southern California
Los Angeles, CA U.S.

Directory of HAI sustaining members

Adams, Richard J.
13102 Flamingo Terrace
Lake Park, FL 33410
☎305-622-6180

Alex, Ralph P.
1037 Stratfield Road
Fairfield, CT 06432
☎203-333-1166

Alverez, Al
P.O. Box 1197
Safford, AZ 85548
☎602-428-7896

Amedei, Giampaolo
Via F. Balducci Pegolotti
11-13
Firenze 50127, Italy
☎410826

Andrew, Richard G.
40 Kemble Street
Lenox, MA 01240
☎413-637-1434

Armstrong, J.G. (Jack)
2101 Plaza de la Candela
Las Vegas, NV 89102
☎702-873-1157 ☐653500

Armstrong, Roscoe C.
27 Crestwood Extension
Milford, CT 06460
☎203-877-9171

Axelrod, Peter
934 San Miguel Road
Concord, CA 94518
☎415-676-8652

Bailey, James A., Jr.
7338 Cornelia Drive
Minneapolis, MN 55435
☎612-835-6917

Baker, Frank J., M.D.
360 E. Randolph
Chicago, IL 60601
☎312-856-0922

Baldwin, Thomas
Cambridge Arms, Apartment 501
202 S.E. First Street
Evansville, IN 47713
☎812-423-8844

Ballauer, Alb C.
403 Morris Lane
Wallingford, PA 19086
☎215-872-2410

Baratti, Victor A.
6833 Battlecreek Road, S.E.
Salem, OR 97301
☎503-363-9210

Baxt, William D., M.D.
4932 Sun Valley Road
Del Mar, CA 92014
☎619-775-3130

Beckner, Peter E.
3401 Korovin Bay Circle
Anchorage, AK 99515
☎907-344-6926

Beintema, Keith D.
P.O. Box 69
Leighton, IA 50143
☎515-626-3771

Blakely, Robert W.
17 Colonial Drive
Newnan, GA 30263
☎404-253-2152

Blechinberg, Thomas F.C.
Apartado 51731
Caracas 1050A, Venezuela
☎927660 ☐23437

Bolton, William B.
109 E. 81st Street
New York, NY 10028
☎212-288-5853

Bowen, Robert A., III
P.O. Box 4611
Macon, GA 31208
☎912-741-9443

Boyd, James A.
Rural Route 1
P.O. Box 121
Corbiel, ON, P0H 1K0, Canada
☎705-752-3800

Braue, George C.
2031 Riva Ridge
San Antonio, TX 78248
☎512-492-1683

Brodie, Samuel E.
5712 Acapulco Drive
Fort Worth, TX 76118
☎817-485-6855

Bucci, Michael
258 S. River Road
Bedford, NH 03102
☎603-668-6080

Buckwater, Len
P.O. Box 5100
Westport, CT 06880
☎203-227-0348

Bukhary, Mohammed, N.A., Capt.
CC904
P.O. Box 167 Saudia
Jeddah, Saudi Arabia
☎02-6871902 ☐401007SJ

Case, Donna Kathleen
P.O. Box 734
Justin, TX 76247
☎817-648-3323

Cholle, Pierre
4 Avenue De La Grange
Saint Maur 94100, France
☎ 1-283-4187

Collett, Howard M.
53 West 1800 South
Orem, UT 84057
☎801-226-3060

Collier, Ken
19021½ Gault Street
Reseda, CA 91335
☎818-343-9008

Commandant (G-EAE/TP62)
U.S. Coast Guard
2100 Second Street, S.W.
Washington, DC 20593
☎202-426-0796

Coombs, Bruce A.
Route 1, Box 1055
Yakima, WA 98901
☎509-453-7683

Coombs, Max
17921 N.W. 85th Avenue
Miami, FL 33015
☎305-822-1627

Cooper, Philip G.
P.O. Box 546
347 11th Street
Montara, CA 94037
☎415-728-7180 ☐3718699

Cortino, James M.
1146 S. Wenonah
Oak Park, IL 60304
☎312-383-3269

Coughlin, John A.
92-1041 Makakilo Drive
Apartment 80
Ewa Beach, HI 96707
☎808-524-7727

Countouris, D.
12-14 Kar Servias Street
Athens, Greece
☎3223733 ☐216272

Coutu, Pierre
117 Queen's Road
Apartment 8
Saint Johns, A1C 2B2, Canada
☎709-753-4195 ☐30292031010

Cummings, Larry F.
Rural Route 1
Crawfordsville, IN 47933
☎317-362-4004

David, Charles E., Jr.
1001 W. Charles Street
Hammond, LA 70401
☎504-345-3619

Dart, Donald L.
3100 Sheldon Jackson Drive
Anchorage, AK 99508
☎907-333-7827

Deaton, Steven G.
5814 S.W. Multnomah Boulevard
Portland, OR 97219
☎503-246-4129

Delker, Robert F.
1304 E. Northshore Drive
Tempe, AZ 85283
☎602-838-3718

DerHohannesian, Armen
8 Country Club Lane
Plaistow, NH 03865
☎603-382-8049

DiPietro, Richard P.
44 Grace Street
Malden, MA 02148
☎617-321-2126

Dillon, Betty Crites
P.O. Box 334
Mitchell, IN 47446
☎812-849-4360

Donovan, Joseph Patrick
9250 S. Damen Avenue
Chicago, IL 60620
☎312-238-0877

Drnovsek, Fedor
1200 Travis
Houston, TX 77002
☎713-651-1700

Dust, Dieter W., Capt.
Heinrich-Schuette-Str. 24
D-2942 Jever, West Germany
☎04461-4751

Eilertson, Fred H.
2356 W. 45th Avenue
Vancouver, BC, V6M 2J6, Canada
☎604-263-8803

Evans, Jeff C.
2116 N. Freeman
Santa Ana, CA 92706
☎714-542-8560

Evans, Raymond E.
Route 1
P.O. Box 123B
Schell City, MO 64783
☎417-432-3318

Feldman, Arlene
1035 Parkway Avenue
Trenton, NJ 08625
☎609-292-3020

Ferigone, Michael C.
447 30½ Road, NBU Z
Grand Junction, CO 81504
☎303-434-4411

Field, Eddy D., II
1401 Moncado Drive
Glendale, CA 91207
☎818-244-9190

Finn, Terry
P.O. Box 189
San Carlos, CA 94070-0189
☎415-592-9707

Frederick, Walter H., III
1320 S.W. 27th Street
Apartment C-19
Topeka, KS 66611
☎913-234-3287

Fugate, Robert C.
1904 Sequoia
Fort Collins, CO 80525
☎303-482-9874

Gamble, C. Don
P.O. Box 356
Barrow, AK 99723-0356
☎907-852-2424 ☐090-26-566

Gavran, Michael C.
17935 Renwick Road
Azusa, CA 91702
☎818-334-4794

Gibson, Edward G., M.D.
36 Moccasin Lane
Rolling Hills Estates, CA 90274
☎213-378-5676

Gillett, John
6342 E. LeMarche Avenue
Scottsdale, AZ 85254
☎602-992-2241

Gilman, James I., M.D.
535 Dahlia Street
Denver, CO 80220
☎303-320-6965

Glasscock, Michael E., M.D.
1811 State Street
Nashville, TN 37203
☎615-327-3040

Goetz, T. Tracey, Capt.
PSC Box 1215
APO Miami, FL 34001
☎64-1379

Gordon, Spencer B.
1201 Brickell Avenue
Suite 613
Miami, FL 33131
☎305-373-6340

Greenhalgh, Edward A.
191 Kingsway Avenue
Winnipeg, MB, R3M 0G4, Canada
☎204-475-3116

Greenwald, Jerry
400 Main Street
Stamford, CT 06901
☎203-325-2647

Gustafson, E.E. (Tug)
32 Rocky Ridge Drive
Trumbull, CT 06611
☎203-377-2045

Hahn, James M.
1219 Bushkill Center Road
Nazareth, PA 18064
☎215-759-2090

Hannah, David, III
2028 Buffalo Terrace
Houston, TX 77019
☎713-621-5934

Hart, Eldon C.
151 N. First East
Rexburg, ID 83440
☎208-356-3309

Harvey, Frank M.
2248 Stockton Loop
Kirtland AFB, NM 87118
☎916-967-8481

Harvey, Warren
P.O. Box 1669
Roseburg, OR 97470
☎503-672-4740

Hateley, James W.
16080 E. Milan Drive
Aurora, CO 80013
☎303-693-3894

Healey, Timothy J.
Old Woods Road
Brookfield, CT 06805
☎203-775-0177

Heckler, R.B.
P.O. Box 27860
Denver, CO 80227

Hegidio, Joe
P.O. Box 2942
Alameda, CA 94501
☎415-523-6677

Heilmann, Sibylle
Katharinenfleet 2
2000 Hamburg, 11, West Germany
☎49/40-6560105

Henderson, James R.
4175 Shattuck Road
Garden Prairie, IL 61038
☎815-547-8230

Hermes, Harold
6904 Edgewater Drive
Oklahoma City, OK 73116
☎405-842-7121

Hirae, Clement
P.O. Box 12625
Overland Park, KS 66212
☎913-341-8160

Hodgkins, Richard F.
29 Willow Run Drive
Centerville, MA 02632
☎617-775-5883

Hogan, Gary M.
316 Third Way
West Palm Beach, FL 33407
☎305-471-5031

Hoover, James M., Capt.
9723 79th Street, S.W.
Takoma, WA 98498
☎713-898-0188

Houston, Lee
2611 W. 100th Street
Anchorage, AK 99503
☎907-344-6376

Hynes, Kevin P.
100 Helicopter Drive
Frederick, OK 73542
☎405-335-5754

Innskeep, Richard
4138 E. Capri
Mesa, AZ 85206
☎602-966-3935

James, George
P.O. Box 790424
Dallas, TX 75379
☎214-380-1369

Jensen, Louis
P.O. Box 7854
Longview, TX 75607
☎206-254-6692

Jerawski, Edward A.
32556 Mound Road
Warren, MI 48092
☎313-264-7438

Johnson, G.H. (Gus)
P.O Box 3665
Ventura, CA 93006
☎805-647-1951

Johnson, Lawrence H.A.
3089 S.W. 24th Street
Gresham, OR 97030
☎503-665-7547

Johnson, Raymond E.
732 Albion Street
San Diego, CA 92106
☎619-224-4510

Jones, David G., Jr.
P.O. Box 9883
Aspen, CO 81612-9883
☎303-925-7260

Juric, Mary M., R.N.
4200 N. Marine
Chicago, IL 60613
☎312-975-5828

Kearney, Frank G.
1508 Wright Street
Arlington, TX 76012
☎817-275-1421

Kehoe, Frank
7N574 Garden Avenue
Roselle, IL 60172
☎312-893-5797

Kelly, Donald E.
23 Cobblers' Lane
Ridgefield, CT 06877
☎203-438-8413

Kerfoot, Lester R., Jr.
6216 Apache Street
Springfield, VA 22150
☎703-971-5297

Kitay, Deanna S., Ph.D.
3126 Beluche Drive
Galveston, TX 77550
☎409-744-4741 ☐792333

Klingenhagan, John L.
4209 Haston Court
Alexandria, VA 22311
☎703-379-2653

Knox, Mitchell
315 W. Walton
Chicago, IL 60610
☎312-943-5564

Kost, James F.
1000 College View Drive
Riverton, WY 82501
☎307-568-2413

Laino, Robert
1 Felms Court
Bethpage, NY 11714
☎516-433-7376

Lariviere, Jean-S
9 Avenue Mozart
Paris, 75016, France

Lavinio, Stephen J.
79 Hamilton Street
Madison, NJ 07940
☎201-377-7996 ☐136424

Leister, Glenn A.
3314 Epinard Court
Annandale, VA 22003
☎703-425-6290

Lewis, Frank
1011 Texas Trail
Roanoke, TX 76262
☎817-379-5869

Mack, Dennis B.
424 N. Aberdeen Court
Lakeland, FL 33803
☎813-644-7848

Mairey, Ed
1322 Cardeza Street
Philadelphia, PA 19119
☎215-548-3293

Manoogian, Berge B.
1957 Woodside Drive
Dearborn, MI 48124
☎313-336-5177

Maresh, Doug
10815 Russell Avenue
Bloomington, MN 55431
☎612-884-9392

McCarthy, Robert J.
833 Rancho Way
Petaluma, CA 94952
☎707-778-0631

McComsey, Michael
356 N. Primrose Avenue
Monrovia, CA 91016
☎818-359-4277

McDannell, Dennis P.
3531 Oakland Road, N.E.
Cedar Rapids, IA 52402
☎319-395-7054

McDonnell, Edward H., Capt.
CC907
P.O. Box 167
Saudi Arabia
Jeddah, Saudi Arabia
☎02-682-0030

McGuire, Frank G.
1495 Newton Street, N.W.
Apartment 201
Washington, DC 20010
☎202-332-5575 ☐46-7931

McHugh, Peter C.
3918 Terrace Drive
Annandale, VA 22003
☎703-642-5546

McKay, Mrs. Herbert G. (Nancy Lee)
3410 Almeria
Tampa, FL 33629-5220
☎813-251-5663

McKenna, Michael D.
3070 Westman Court
Bloomfield Hills, MI 48013
☎313-540-0633

McMahon, John P.
5123 New Ranch Road
El Cajon, CA 92020
☎619-444-1977

McMillan, Margaret
111 Leonie Street
Lafayette, LA 70506
☎318-981-3340

Meehan, John E.
Teterboro Airport
Teterboro, NJ 07608
☎201-288-5218

Millar, Ted L.
5858 S.W. Riverridge Lane
Apartment 35
Portland, OR 97201
☎503-224-4267

Miller, Charles H.
1725 Honore Avenue
Sarasota, FL 33582
☎813-371-0165

Mish, David R.
913 Elizabeth Street
Bakersfield, CA 93308
☎805-399-9391

Mitchell, Michael K., M.D.
519 W. Fourth Avenue
Anchorage, AK 99504
☎907-338-2254

Moore, Clifton A.
One World Way
Los Angeles, CA 90009
☎213-646-6250 ☐653413

Morden, Gregory
7335 Mariner Way #109
Indianapolis, IN 46224
☎317-293-3596

Mowbray, Norman R.
Route 1; Box 57
Bryantown, MD 20617
☎301-932-1577

Musselman, Douglas Jr., Capt.
10851 Split Rail Drive
Manassas, VA 22111
☎703-368-8562

Nagel, Steven P.
1725 Jefferson Davis Highway
Suite 801
Arlington, VA 22202
☎703-920-1062 ☐64342

Nay, David R.
8714 Kenilworth Drive
Springfield, VA 22151
☎703-425-9858

Nelson, Ralph F.
421 Aviation Way
Frederick, MD 21701
☎301-428-9530

Newman, Mark W.
6130 Carlisle Court
New Orleans, LA 70114
☎504-394-3635

Northrup, G. W.
P.O. Box 574
Route 219
Ellicottville, NY 14731
☎716-699-4635

Norwood, James J.
9451 W. Maple Drive
Apartment G-N
Rosement, IL 60018
☎312-399-0159

O'Grady, Russell, III
1202 Acton Court
Duncanville, TX 75137
☎214-298-2994

Okita, Richard Y.
385 Kuliouou Road
Honolulu, HI 96821
☎808-396-0269

Olson, Glenn A.
8 Top Sail Road
Rowayton, CT 06853
☎203-838-9446

Papadakos, Peter J.
Saint James
Long Island, NY 11780
☎516-584-5404

Parent, Randy
P.O. Box 2173
Oakland, CA 94621
☎415-785-3370

Parrott, Robert C.
P.O. Box 133
Scio, OR 97374
☎503-394-3670

Penkhus, Robert A.
1101 Motor City Drive
Colorado Springs, CO 80906
☎303-473-4595

Perera, John H.T.
22 Ewart Park
Singapore 1027,
Republic of Singapore
☎4682027 ☐RS 37441

Perot, H. Ross, Jr.
7171 Forest Lane
Dallas, TX 75230
☎214-661-6000

Perry, Guy P., Jr.
R.F.D. 8, Box 461A
Loudon, NH 03301
☎603-783-4259

Pessin, Ben
P.O. Box 57
Rialto, CA 92376
☎714-885-1128

Philpott, Robert W.
Rural Route 1, P.O. Box 303
45 Oak Ridge Road
Bethel, CT 06801
☎203-744-7496

Pitts, John Leonard, Jr.
4201 Massachusetts Avenue, N.W.
Apartment 1043C
Washington, DC 20016
☎202-362-4200

Pojanowski, Ray L.
1685 W. McComb Avenue
Porterville, CA 93257
☎209-782-0694

Post, Alton G.
7 Sky Road
Mill Valley, CA 94941
☎415-381-5303

Poulton, Thomas Jon, M.D.
6620 Underwood Avenue
Omaha, NE 68132
☎402-551-0809

Pretextat-Lecomte, Claude
Hangar 19
La Aurora, Zona 13, Guatemala
☎502-2-313285

Price, R. Allen
506 Island Avenue
Reno, NV 89501
☎702-322-2325

Prior, Jack B.
Greater Buffalo International Airport
Buffalo, NY 14225
☎716-633-1000 ☐919117

Randall, Richard S.
9042 E. Wagon Wheel Way
Parker, CO 80134
☎303-841-2934

Redditt, Hugh J.
21 Street Road
Newtown Square, PA 19073
☎215-647-0860 ☐902141

Reid, John
2601 Mount Brook Drive
Mobile, AL 36609
☎205-666-3761

Reindl, Sergio Rodriquez
Gelati 101-601 B
Col. Sn. Miguel Chapultepec
DF 11850, Mexico
☎905-277-8604 ☐383-177-3659

Resnick, Bruce K.
8935 Tennyson Drive
Milwaukee, WI 53217
☎414-352-3457

Richardson, Donald W.
2544E S. Walter Reed Drive
Arlington, VA 22206
☎703-931-4641

Richer, Eugene G.
P.O. Box 1435
Monterey, Nuevo Leon, Mexico
☎83-464500 ☐382890

Roberts, Bruce B.
7625 Kimcoe Way
Indianapolis, IN 46254
☎317-291-5793 ☐2676400

Roberts, Gerald M.
Tai Ping Towers, 267
582- Soi Ekamai
Bangkok, 10110, Thailand
☎390-0061x267

Rogers, Charles E.
205 Independence Avenue
Unit 217
Quincy, MA 02169

Rossomme, Carl G.
9465 Basswood Drive
Olmsted Falls, OH 44138
☎216-235-9175

Rossomme, Gary E.
4007 Buckinghan Court
Dumfries, VA 22026
☎703-670-0614

Roubin, A.S.
8340 Greensboro Drive
McLean, VA 22102
☎703-442-0480

Ruggenberg, Myles
16443 N. 32nd Way
Phoenix, AZ 85032
☎602-992-0873

Rutledge, Garry R.
300 Mile Road
Suite C32
Etobicoke, ON, Canada
☎416-621-4647 ☐06961482

Saada, Shadid M.
1528 Excelsior Avenue
Oakland, CA 94602
☎415-531-3373

Savelli, John A.
151 Route 206
Building 39; Apartment 7
Flanders, NJ 07836
☎201-927-0979

Schroder, Frederick C.
3315 Norton Drive
Fort Worth, TX 76118
☎817-284-8169

Schurr, Robert J.
1426B Werner Park
Fort Campbell, KY 42223
☎615-431-9570

Shelton, Jack
1907 Avalon Lane
Arlington, TX 76014
☎817-265-0386

Sheridan, Dean C.
4520 Wicklow Place
Apartment 101
Virginia Beach, VA 23452
☎804-499-9890

Shouldis, Charles E.
Box 83
White River, SD 57579
☎605-259-3647

Slattery, John M.
P.O. Box 18029
Oxon Hill, MD 20745
☎301-567-4407

Smith, James E.
9606 Chelmsford Drive
San Antonio, TX 78239
☎512-653-1570

Smith, Peter M.
One Legal Eagle Way
Morrison, CO 80465
☎303-697-9269

Sonnenfeld, Elio Moti
Rua Peixoto Gornide, 1554-40
Sao Paulo, 01409, Brazil
☎011-282-0831

Spencer, Charles B.
2 Hedgehog Lane
W. Simsberry, CT 06092
☎203-658-2349

Spicer, Kerby M., Jr.
1230 Toro Canyon Road
Santa Barbara, CA 93108
☎805-969-6642

Stegich, Stephen R.
1251 Avenue of the Americas
New York, NY 10020
☎212-757-6870 □224556

Stein, Joseph A.
70796 Barlow Trail
Zig Zag, OR 97049
☎503-622-3425

Stern, Harry
One Las Olas Circle
Fort Lauderdale, FL 33316
☎305-524-0085

Stitzle, Fletcher Stoney
P.O. Box 366
Keller, TX 76248
☎817-431-1220

Stoneking, Donald B.
P.O. Box 303
Landing, NJ 07850
☎201-398-3089

Strickland, Daniel M.
11685 McCarty Road
Carmel Valley, CA 93940
☎408-659-3627

Stuelpnagel, Thomas R.
1682 Rico Place
Palos Verdes Estates, CA 90274
☎213-373-2872

Sumarlidason, Arni L.
P.O. Box 1380
Grand Cayman Island, West Indies
☎809-949-4217

Sutherland, Billy C.
2008 Palo Duro Road
Austin, TX 78757
☎512-453-7812

Sutton, Geoff
1713 W. Teton Drive
Peoria, IL 61614
☎309-691-7058

Tallaferro, Stephen G.
5757 S. Staples Street
Apartment 810
Corpus Christi, TX 78413
☎512-993-8718

Thompson, John L. (Jack)
1611 N. Kent Street
Arlington, VA 22209
☎703/243-3633

Thornton, Dan
P.O. Box 337
Eagle Lake, TX 77434
☎713-234-5551

Tobosa, Alvin J.
761 Koele Street
Hilo, HI 96720
☎808-935-8981

Toomath, Ernest H.
Suite 444
100 Richmond Street, West
Toronto, ON, M5H 3K6, Canada
☎416-869-0900 □6523442

Transport Canada
Aviation Safety Promotion — SPP/L
Place de Ville
Ottowa, ON, K1A ON8
Canada
☎613-996-5772

Turner, Jay C.
4215 N. 100th Street
Apartment 348
Milwaukee, WI 53222
☎414-463-6322

Turner, Stuart W.
8752 Arrow Point Drive, N.E.
Bainbridge Island, WA 98110
☎206-842-6742

Tuttle, Joel N.
13418 Alcott Street
Broomfield, CO 80020
☎303-466-9615

Ungerecht, Richard G.
401 Promotory Point
Newport Beach, CA 92660
☎714-673-4038

Urban, Dudley W.
222 N. Singingwood Road
Apartment 6
Orange, CA 92669
☎714-551-7236

Uttal, Robert R.
P.O. Box 7058A
Orlando, FL 32854
☎305-425-4200

Vickers, Trey K.
1906 Wooded Court
Adelphi, MD 20783-134
☎301-439-7737

Vida, Thomas L.
515 Laurier Drive
Windsor, ON, N9J 1M3, Canada
☎519-734-1082

Vos, Patricia Mary
P.O. Box 46
Keg River, AB, T0H 2G0, Canada
☎403-981-2251

Walls, Edward L., Dr.
3501 Seward Place
Charlotte, NC 28211
☎704-364-1127

Ward, John F.
107 Goldsborough Street
Easton, MD 21601
☎301/820-7524

Weeks, Charles B.
1706 Guardian Road
32 Oi Kwan Road
Tanchai, Hong Kong
☎5-737287 □64778

Wellby, Peter Thomas
16 Hyde Park Gate
Seletar Airbase
Singapore 2879,
Republic of Singapore

White, Ray A.
625 Toxaway Drive
West Palm Beach, FL 33413
☎305-471-1320

Wickland, Christopher N.
239 S. Teague Drive
San Dimas, CA 91773

Wittstadt, Thomas
Dieninckstrasse 19
4400 Muenster, West Germany
☎02506-411

Woods, Frederic J.
1130 Torry Place
Anaheim, CA 92806
☎714-533-0895

Wright, A.W. "Jack"
4956 N.W. 31st Terrace
Oklahoma City, OK 73122
☎405-946-2432

Zacek, Karl
95 Commercial Street
Plainview, NY 11803
☎516-752-9072

Zakarija, Ika
1104 S. College Street
Number 24
Lafayette, LA 70503
☎318-237-0862

Zambrano, Guillermo R., M.D.
P.O. Box 668
Prince Frederick, MD 20678
☎301-535-4115

Ziegler, Hannes
Alte Landstrasse 106
Zollikon
Zurich 8702, Switzerland
☎19152504 □55197

Zuzolo, F.A. "Zeke"
4207 Meadowbank Drive
Seabrook, TX 77586
☎713-474-4213

Student members

Erdle, Martin Andrew
21930 New Hampshire Avenue
Brookville, MD 20833
☎301-774-6583

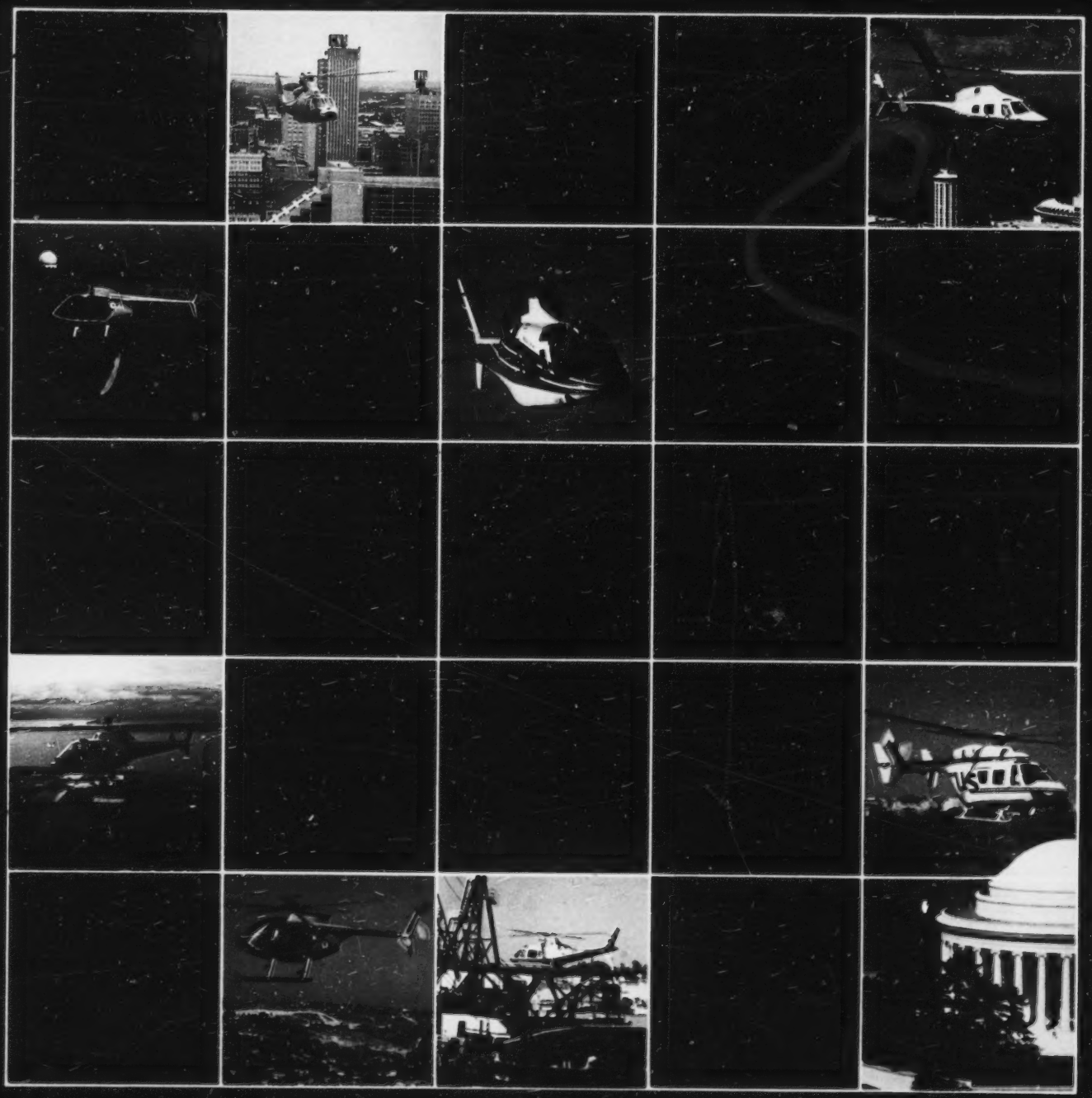
Forichette, Gary E.
332 Highgate Avenue
Buffalo, NY 14215
☎716-834-8337

Hart, James H.
P.O. Box 1118
1201 E. 32nd Street
Hays, KS 67601
☎913-625-4871

Phelps, Debbie
200 Cool Meadows Drive
Ballwin, MO 63011
☎314-394-0200

Worth, John H.
727 Worth Lane
Scotts Valley, CA 95066
☎408-438-2698

Key helicopter statistics



Key helicopter statistics

The most requested statistical data about helicopters

HAI is asked daily for detailed statistical information on helicopters. The statistics shown in this section are the most current available. They are drawn from the FAA, NTSB, and others such as the Insured Aircraft Title Service. We still have been unable to tap sources on helicopter data from international sources or foreign countries.

If further information is required, contact Ken Woolnough, HAI Safety Officer, at 202-466-2420. Telex: 89-615.

Total U.S. helicopter fleet by model and series

(as of November 1984)

According to the Insured Aircraft Title Service, there were approximately 9500 helicopters in the United States in 1984. The following section breaks out the fleet by manufacturer, model and series.

Manufacturer	Model/ series	Type of engine	No. of engines	No. of aircraft
Aerospatiale	SA 313	Turbine	1	3
	SA 315	Turbine	1	89
	SA 316	Turbine	1	61
	SA 318	Turbine	1	30
	SA 319	Turbine	1	4
	SA 330	Turbine	2	15
	SA 332	Turbine	2	5
	SA 341	Turbine	1	47
	SA 350	Turbine	1	248
	SA 355	Turbine	2	173
	SA 360	Turbine	1	13
	SA 365	Turbine	2	9
		Total Aerospatiale		**697**
Agusta	A 109	Turbine	2	55
	A 206 (All)	Turbine	1	2
		Total Agusta		**57**
Bell	47 (All)	Recip	1	1531
	204, 205 (All)	Turbine	1	245
	206 A/B	Turbine	1	1762
	206L (All)	Turbine	1	622
	212	Turbine	2	171
	214 A/B	Turbine	1	16
	214 ST	Turbine	2	15
	222 (All)	Turbine	2	80
	301	Turbine	2	2
	400	Turbine	2	3
	412	Turbine	2	51
		Total Bell		**4498**
Boeing Vertol	107 (All)	Turbine	2	11
	179	Turbine	2	1
	H21	Recip	1	10
	CH47	Turbine	2	9
	234	Turbine	2	2
	42A	Recip	1	3
	PV18	Recip	1	1
		Total Boeing Vertol		**37**
Brantly-Hynes	B-2 (All)	Recip	1	153
	305	Recip	1	16
		Total Brantly-Hynes		**169**
Continental	MK 5 (All)	Recip	1	28
	MK 6 (All)	Recip	1	6
	JC-1A	Turbine	1	1
		Total Continental		**35**
Enstrom	F-28	Recip	1	354
	T-28	Turbine	1	2
	280 (All)	Recip	1	150
		Total Enstrom		**506**
Fairchild	FH-1100	Turbine	1	90
		Total Fairchild		**90**
Hiller	UH-12	Turbine	1	17
	UH-12	Recip	1	589
	OH 23 (All)	Recip	1	157
	HH 120	Recip	1	1
	HJ-1	Unk	1	1
	YH 32	Unk	1	2
	YROE-1	Recip	1	1
	H 1100	Turbine	1	8
		Total Hiller		**776**
Hughes	269 (All)	Recip	1	765
	369 (All)	Turbine	1	700
	500 (All)	Turbine	1	15
	OH6 (All)	Turbine	1	8
	TH55 (All)	Recip	1	123
		Total Hughes		**1611**
Kaman	K 240	Recip	1	2
	H 43 (All)	Recip	1	16
	HOK 1	Recip	1	1
	HUK 1	Recip	1	2
		Total Kaman		**21**
Kawasaki	KV107-II	Turbine	2	5
		Total Kawasaki		**5**
Kellett	G-1B	Recip	1	1
	K-3	Recip	1	1
		Total Kellett		**2**
MBB	BO-105C	Turbine	2	61
	BO-105S	Turbine	2	45
	BK-117	Turbine	2	20
		Total MBB		**126**
Piasecki	HUP-3	Recip	1	13
	HUP-2	Recip	1	13
		Total Piasecki		**26**
Robinson	R22 (All)	Recip	1	286
		Total Robinson		**286**
Sikorsky	R4	Recip	1	4
	S-51/R5	Recip	1	5
	R6	Recip	1	6
	S-52	Recip	1	16
	S-55/ H-19	Recip	1	132
	S-58/ H-34	Recip	1	179
	H-37	Recip	2	47
	S-61/ H-3	Turbine	2	22
	S62	Turbine	1	7
	S64	Turbine	2	6
	S-70/ H60	Turbine	2	2
	S72	Turbine	2	2
	S76	Recip	2	138
		Total Sikorsky		**566**
Westland	WS55	Turbine	1	1
	WG30	Turbine	2	6
		Total Westland		**7**

Number of helicopters by manufacturer and percent total fleet
(as of September 1, 1984)

Manufacturer	Helicopters titled	Percent total
Aerospatiale	697	7.31
Agusta	57	0.59
Bell	4498	47.21
Boeing Vertol	36	0.37
Brantly-Hynes	169	1.77
Continental	35	0.36
Enstrom	506	5.31
Fairchild	90	0.94
Hiller	776	8.14
Hughes	1624	17.04
Kaman	21	0.22
Kawasaki	5	0.05
Kellett	2	0.02
MBB	126	1.32
Piasecki	26	0.27
Robinson	286	3.00
Sikorsky	566	5.94
Westland	7	0.07
Total	**9527**	**100.0**

Source: Insured Aircraft Title Service

U.S. Civil Helicopter Production

Year	Domestic	Export
1970	150	332
1971	171	298
972	319	256
1973	342	428
1974	433	395
1975	528	336
1976	442	315
1977	527	321
1978	536	368
1979	560	459
1980	841	525
1981	619	453
1982	333	254
1983	185	216

Source: AIA, GAMA, Department of Commerce

U.S. exports of civil helicopters

Region of Destination	1979	1980	1981	1982	1983
Canada Greenland	85	91	78	17	16
Latin America Caribbean	89	143	140	63	38
Europe	103	118	71	49	51
Middle East	11	21	21	13	48
Asia	80	57	70	38	44
Oceania	66	72	32	21	8
Africa	25	23	41	53	11
Total Exported	**459**	**525**	**453**	**254**	**216**
Value in Millions of Dollars					
Canada Greenland	$ 29.4	$ 42.9	$ 40.6	$ 15.2	$ 9.7
Latin America Caribbean	42.4	78.4	89.5	49.5	47.0
Europe	51.6	79.4	91.8	42.0	50.7
Middle East	11.4	24.9	27.2	12.9	48.6
Oceania	21.1	16.3	19.5	10.6	1.1
Africa	5.3	5.5	12.5	25.3	15.8
Total Value	**206.8**	**298.7**	**346.4**	**205.9**	**232.1**

Source: U.S. exports, Schedule B, commodity by country

U.S. imports of civil helicopters

Country of Origin	1979	1980	1981	1982	1983
France	81	167	193	167	46
Germany	5	9	12	15	48
Italy	4	1	8	1	1
United Kingdom				1	5
Total Imported	**90**	**177**	**213**	**184**	**100**
Value in Millions of Dollars					
France	$17.3	$48.4	$ 92.4	$74.2	$39.6
Germany	1.3	4.4	6.9	8.9	35.8
Italy	3.0	1.1	6.1	1.1	.8
United Kingdom				.7	13.3
Total Value	**$21.6**	**$53.9**	**$105.4**	**$84.9**	**$89.5**

Source: U.S. Imports for consumption and general imports

The FAA chose Camp Systems for the same reasons you should ...

Because they're the best!

Even the FAA, who operates an S-76, must maintain accurate control of inspection and maintenance programs under Federal Aviation Regulations.

In 1981, the FAA turned to Camp Systems, long recognized as the leader in computerized aircraft maintenance programs . . . and Camp tailored a comprehensive program to meet their needs. A program that is continuously monitored and maintained by Camp maintenance professionals.

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Long Island MacArthur Airport
Ronkonkoma, New York 11779

The FAA, on the other hand, is most interested in the active fleet. They define an active aircraft as one which has flown at least one hour in the preceding year. The table below shows the active helicopter fleet in the North America for the year 1982.

Civil helicopter fleet

Operators

Country	Total	Commercial	Corp/exec	Civil govt
U.S.	2,441	1,060	1,058	323
Canada	244	125	100	19
Mexico	3	3	—	—
Total	**2,688**	**1,188**	**1,158**	**342**

Helicopters

Country	Total	Commercial	Corp/exec	Civil govt
U.S.	7,388	4,627	1,575	1,186
Canada	1,464	1,215	153	96
Mexico	32	32	—	—
Total	**8,884**	**5,874**	**1,728**	**1,282**

Source: Aerospace Industries Association

Civil helicopter operators and helicopters operated in North America U.S., Canada, Mexico and Puerto Rico

Year	Total	Commercial	Corp/exec	Civil govt. [a]
Civil helicopter operators				
1965	860	508	299	53
1966	933	519	353	61
1967	1,023	522	427	74
1969	1,379	689	596	94
1971	1,424	672	590	162
1972	1,491	758	566	167
1973	1,532	752	599	181
1974	1,536	725	608	203
1975	1,891	779	833	279
1976	2,330	911	1,082	337
1977	2,547	959	1,219	369
1978	3,003	1,126	1,515	362
1980b	2,573	1,065	1,160	348
1982	2,688	1,188	1,158	342
Helicopters operated [a]				
1965	2,053	1,537	401	115
1966	2,318	1,699	475	144
1967	2,438	1,764	487	187
1969	3,433	2,390	770	273
1971	3,874	2,605	802	467
1972	4,185	2,992	745	448
1973	4,601	3,295	780	526
1974	4,819	3,418	778	623
1975	5,222	3,342	1,056	824
1976	6,181	3,702	1,392	1,087
1977	7,160	4,294	1,578	1,288
1978	8,023	4,904	1,891	1,228
1980b	8,575	5,581	1,635	1,360
1982	8,884	5,874	1,728	1,282

Source: Aerospace Industries Association
a. Effective 1982, includes Mexico.
b. Federal, state and local governments.
c. Includes some helicopters on order.
d. Because computerization of the Directory data resulted in the elimination of some duplication of operator and helicopter listings, 1980 and subsequent data are not comparable with those of previous years.

Flying hours for U.S. and Canada

1980 is the latest detailed data available from the NTSB at the time of publication. Other data has been obtained from the FAA National Safety Data Branch and is preliminary only.

From the tables that follow, we can see that the accident record for helicopters is steadily improving.

Helicopter flying hours

General aviation, U.S. and Canada

Year	U.S.	Canada
1972	1,000,000	252,159
1973	1,168,239	266,000
1974	1,424,310	283,174
1975	1,546,520	318,018
1976	1,706,973	321,395
1977	1,867,644	343,418
1978	2,227,651	349,777
1979	2,555,187	484,879
1980	2,339,000	518,131
1981	2,684,911p	N/A
1982	2,350,231p	N/A
1983	2,271,377p	N/A

N/A—Not available p—Preliminary
Source: FAA and Transport Canada

Helicopter accident rate

The generally downward trend of the accident rate is evident for all three groups shown. Rates shown are accidents per 100,000 flying hours.

Helicopter accident rate

General Aviation U.S. and Canada

Year	HAI members*	U.S. (all)	Canadian (all)
1972	14.2	23.4	37.7
1973	16.1	24.0	36.5
1974	16.7	19.9	25.8
1975	13.0	20.0	26.1
1976	13.3	17.8	28.3
1977	11.8	14.5	21.5
1978	10.0	14.5	26.3
1979	8.2	11.3	23.7
1980	7.6	13.9	19.5
1981	5.8	11.2p	N/A
1982	4.6	12.5	N/A
1983	3.6	9.95	N/A

N/A—Not available *—Incomplete data p—Preliminary
Source: FAA

We are often asked how reciprocating engined helicopters compare with turbine engined helicopters. The following charts show how they compare.

Accident rate comparison

Piston vs. Turbine

Year	Piston	Turbine
1975	35.15	13.39
1976	30.88	9.22
1977	33.45	9.35
1978	29.37	9.51
1979	21.77	12.07
1980	25.45	6.83

How does the overall membership of HAI compare to these levels?

Each year we survey our regular members to find out how we as an association are doing, compared to the U.S. rate. While many of our operators worldwide report their flight hours and accidents, many do not. The chart below shows the reported hours, accidents and the computed accident rate per 100,00 hours based on the reports received.

HAI Reported Accident Rate

	1980*	1981*	1982*	1983*
Reported Flying hours	1,774,379	2,022,412	1,614,224	1,110,562*
Reported Accidents	134	118	75	40
Reported Accident rate/ 100,000 hrs.	7.55	5.89	4.65	3.60
Reported Fatal accidents	31	10	15	7

*Incomplete data

Active pilots by type of certificate
(thousands)

Calendar Year	Total 3	Student	Private	Commercial	Airline Transport	Helicopter	Glider 1*	Lighter than air	Instrument Rated 2
1973 2	714.6	181.1	299.0	182.4	38.1	6.0	4.3	3.0	186.0
1974	733.7	180.8	305.8	192.4	41.0	5.6	4.8	3.2	199.3
1975	728.2	177.0	305.9	189.3	42.6	4.9	5.3	3.1	204.0
1976	744.2	188.8	309.0	187.8	45.1	4.8	5.8	3.0	211.4
1977	783.9	203.5	327.4	188.8	50.1	4.8	6.2	3.1	226.3
1978	798.8	204.9	337.6	185.8	55.9	4.9	6.5	3.2	236.3
1979	814.7	210.2	343.3	182.1	63.7	5.2	6.8	3.4	247.1
1980	827.0	199.8	357.5	183.4	69.6	6.0	7.0	3.7	260.5
1981 2	764.2	179.9	328.5	168.6	70.3	6.5	7.4	3.0	252.5
1982	733.3	156.4	322.1	165.1	73.5	7.0	7.8	1.4	255.1
1983	718.0	147.2	318.6	159.5	75.9	7.2	8.1	1.3	254.3

Source: FAA

Estimated: 1980 is based on a 27-month criteria only. Other years are based on a 25-month criteria.

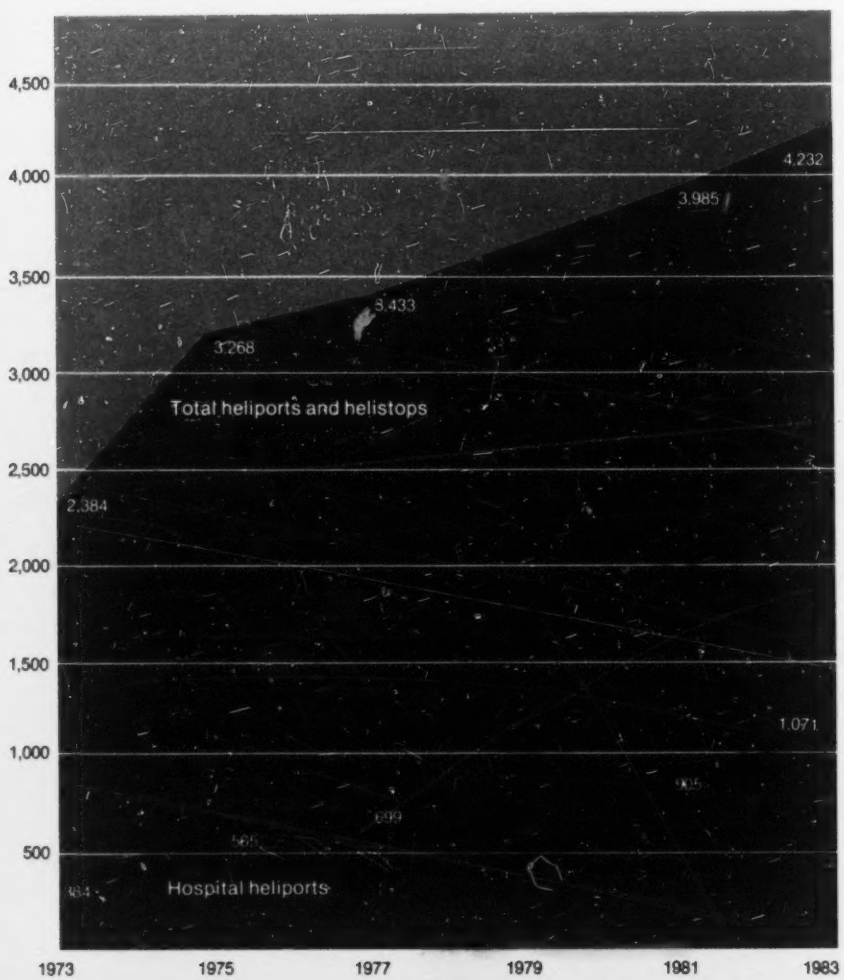
*Glider and lighter-than-air pilots are not required to have a medical examination; however, the totals above represent pilots who received a medical examination.

1 Numbers represent all certificates on record. No medical examination required.

2 The decrease in the number of airmen resulted from a purging of the airmen certification files. During this process, approximately 26,000 duplicates or faulty records were eliminated.

3 Due to rounding, numbers may not add to stated total.

Heliports and helistops
U.S., Canada and Puerto Rico



Heliports and helistops

The following chart, compiled by the Aerospace Industries Association, reveals a continuing increase in the number of heliport and helistop facilities in the United States, Canada and Puerto Rico. The chart shows 4,232 heliports and helistops, compared to 3,985 in 1981, an increase of 6%.

There is a notable increase in the number of Hospital Helistops. In 1981 there were 906. There are 1,071 reported in 1984. This represents more than an 18% increase for that period and an even more impressive increase over the 1965 total of 34. Today, 78 of these hospitals operate helicopter ambulance services, compared to 46 operating in 1981. 31 states have one or more agencies operating ambulance helicopters.

Of the 4,232 heliports and helistops, 384 are rooftop and 3,848 are ground level. In addition there are facilities on the hundreds of oil rigs and platforms in the Gulf of Mexico and off the coast of California.

Only 333 (8%) of those listed are public use — down from the 1981 total of 348.

Region	1973	1975	1977	1981	1984
New England	78	143	164	168	172
Middle Atlantic	581	684	795	727	793
East North Central	307	411	397	718	640
West North Central	110	98	107	164	215
South Atlantic	204	352	306	416	511
East South Central	64	107	144	203	192
West South Central	217	338	339	409	551
Mountain	176	241	213	268	312
Pacific	551	789	821	734	634
Puerto Rico	24	30	73	71	65
Canada	72	75	74	107	147
Total	**2384**	**3268**	**3433**	**3985**	**4232**
Elevated facilities	241	277	299	319	385

Source: Aerospace Industries Association, "Directory of Heliports in the U.S., Canada, Puerto Rico, 1984."

Hospital heliports

Region	1973	1975	1977	1981	1984
New England	5	16	21	31	30
Middle Atlantic	42	55	73	93	107
East North Central	99	126	150	193	193
West North Central	21	22	29	69	97
South Atlantic	50	76	82	135	176
East South Central	18	29	54	171	76
West South Central	26	59	67	77	110
Mountain	32	56	67	88	98
Pacific	87	119	147	135	167
Puerto Rico	—	—	2	2	3
Canada	4	7	7	11	14
Total	**384**	**565**	**699**	**905**	**1071**

Source: Aerospace Industries Association, "Directory of Heliports in the U.S., Canada, Puerto Rico, 1984."

Helicopter time capsule

1483 *Leonardo da Vinci, Italy, sketches an "aerial screw" able to rise vertically. It is the first record of design for a vertical flight machine.*

1784 *Scientists Launoy & Bienvenue, France, build a model helicopter, with rotors made of feathers, believed to be the first heavier-than-air powered craft to fly.*

September 29, 1907 *Despite being tethered to the ground, Louis Breguet, France, flies the first piloted full-sized helicopter ever to lift itself in the air.*

November 13, 1907 *The world's first successfully manned helicopter free-flight is made by Paul Cornu, Coquainvilliers, France.*

November 11, 1919 *Henry Berliner completes the first successful piloted helicopter flight in the United States (to an altitude of three feet) in the Gyrocopter (designed by Emile Berliner).*

January 9, 1923 *Juan de la Cierva creates the Autogiro — generally thought to be the start of practical rotating wing flight — a major breakthrough!*

September 14, 1939 *The helicopter industry begins with the completion of Igor Sikorsky's VS-300.*

March 8, 1946 *The Bell Model 47 is awarded the first commercial license for helicopters by the U.S. Civil Aeronautics Administration.*

December 13, 1948 *The Helicopter Association International's founding organization is created when the Helicopter Council holds its first meeting in Burbank, California.*

July 15 – August 4, 1952 *Vincent H. McGovern and Harold W. Moore fly "Hop-a-long" and "Whirl-a-long" (Sikorsky S-55s) respectively to complete the first transatlantic flight by helicopter covering 3,984 miles.*

September 1 – 30, 1982 *H. Ross Perot, Jr. and Jay Coburn make the first around-the-world flight by helicopter in the "Spirit of Texas" (Bell 206 LongRanger III).*

August 5, 1982 – July 22, 1983 *Dick Smith completes the first solo circuminavigation of the earth by helicopter in the "Australian Explorer" (a Bell 206B JetRanger III) with a total of 35,258 miles flown.*

March, 1983 *The Helicopter Foundation International is established to promote helicopter safety and education, and to collect and preserve data relating to the history and development of the helicopter.*

World civil helicopter records

The source of data is the Federation Aeronautique Internationale

Class E-1 helicopters

Without payload

6/21/72

Altitude — **12,442 m/40,820 ft**

Jean Boulet (France)
Alouette SA 315-001 Lama
Artouste IIIB 735 KW
Istres

3/26/66

Distance in a closed circuit — **2,800.20 km/1,739.96 mi**

Jack Schweibold (USA)
Hughes YOH-6A No. 24213
1 Allison T-63-A-5
Edwards AFB, California

4/6-7/66

Distance in a straight line — **3,561.55 km/2,213.04 mi**

Robert G. Ferry (USA)
Hughes YOH-6A No. 24213
1 Allison T-63-A-5
Culver City, California to
Ormond Beach, Florida

9/1-30/82

Speed around the world — **56.97 kph/35.40 mph**

H. Ross Perot, Jr., pilot (USA)
J.W. Coburn, co-pilot
Bell 206L-II LongRanger
Allison 250-C28B, 435 hp
29 days, 3 hours, 8 minutes, 13 seconds

8/5/82-7/22/83

Around the world (solo) — **56,785.38 km/35,258 mi**

Dick Smith (Australia)
Bell JetRanger III
Allison 250-C-20 J,420shp

12/14/70

Speed over a 3km course — **348.971 kph/216.839 mph**

Byron Graham (USA)
Sikorsky S-67
2 GE T-58
Windsor Locks, Connecticut

Closed circuit

8/26/64

100 km speed — **340.15 kph/211.35 mph**

Boris Galitsky (USSR)
Mil MI-6; 2 TB-2BM
Podmoscovnoe

2/8/82

500 km speed — **345.74 kph/214.84 mph**

Thomas Doyle (USA)
Sikorsky S-76
2 Allison 250-C-30, 640 shp
West Palm Beach, Florida

Class E-1a, light helicopters

Less than 500 kgs/1,102 lbs

12/29/53

Altitude — **4,789 m/15,712 ft**

Jean Dubos (France)
SNCASO Djinn 2
Turbomeca Palouste
Villacoublay

5/11/82

Distance in a closed circuit — **260.494 km/161.863 mi**

Douglas P. Tomkins (Canada)
Robinson R-22
Lycoming 0-320, 124 hp
Sault Ste. Marie, Ontario

5/11/82

Distance in a straight line — **263.615 km/163.803 mi**

Ivan D. Blackburn (Canada)
Robinson R-22
Lycoming 0-320, 124 hp
Patridge Point, Sudburg

5/11/82

Speed over a 3 km course — **176 kph/109 mph**

Richard G. Kirkwood (Canada)
Robinson R-22
Lycoming 0-320, 124 hp
Sault Ste. Marie, Ontario

Closed circuit

5/12/82

100 km speed — **170.817 kph/106.141 mph**

Gary J. Ertel (USA)
Robinson R-22
Lycoming 0-320, 124 hp
Sault Ste. Marie, Ontario

We would like to invite you to invest in our past

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Help us build a strong foundation by becoming a founding member of The Helicopter Foundation International.

The helicopter industry has been advancing at such a rapid pace over the years that we have almost lost sight of our exciting history ... the role of the "Unique Machine" in our society.

In 1983, the Helicopter Foundation International was created to become the caretaker of the helicopter industry's illustrious history.

To date, HFI has collected more than 250 historic helicopter models, 20,000 documents, rare books and other memorabilia documenting the history and growth of the helicopter industry. This extensive collection will serve as a research center for students and other enthusiasts. The collection will continue to expand as materials become available or as the exciting history of the helicopter unfolds.

HFI needs your support.

Help us ensure a strong future for your foundation, become an individual or corporate founding member. Your continuation is the deductible.* Donations in the form of historic documents, models, periodicals and memorabilia are also greatly appreciated.

Robert Torgerson, Public Relations Manager for Boeing Vertol, presents a model of the Presidential BV-234 to John Slattery, Curator of the Foundation while Frank L. Jensen, Jr., Executive Director of HAI looks on.

Helicopter Foundation International

1110 Vermont Avenue, N.W., Suite 428
Washington, D.C. 20005

For information contact: John Slattery, Curator

* HFI is recognized by the U.S. Internal Revenue Service as a 501(c)(3) non-profit, publicly funded, tax-exempt organization. Consult your tax advisor for applicability to your situation.

Class E-1b, light helicopters
500-1,000 kgs/1,102-2,204 lbs

6/21/72
Altitude **12,424 m/40,820 ft**

Jean Boulet (France)
Alouette SA 315-001 Lama
Artouste III B 735
Istres

3/21/66
Distance in a closed circuit **1,700.124 km/1,056.408 mi**

Jack L. Zimmerman (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Edwards AFB, California

2/8/61
Distance in a straight line **1,176.79 km/731.15 mi**

A. P. Averill (USA)
Bell 47-G
Franklin 0-335
El Paso to Texarkana, Texas

3/24/66
Speed over a 3 km course **274.73 kph/170.70 mph**

Lt. Col. Richard T. Heard (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Edwards AFB, California

Closed circuit

3/13/66
100 km speed **259.47 kph/161.22 mph**

Maj. A. L. Darling (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Edwards AFB, California

3/13/66
500 km speed **254.59 kph/158.19 mph**

Maj. A. L. Darling (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Edwards AFB, California

Class E-1c, light helicopters
1,000-1,750 kg/2,204-3,858 lbs

4/6-7/66
Altitude **10,856 m/35,617 ft**

Jean Boulet (France)
Alouette SA 351-001
Artouste III B 735 KW
Istres

3/26/66
Distance in a closed circuit **2,800.20 km/1,739.96 mi**

Jack Schweibold (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Edwards AFB, California

4/6-7/66
Distance in a straight line **3,561.55 km/2,213.04 mi**

Robert G. Ferry (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Culver City, California to Ormond Beach, Florida

5/13/71
Speed over a 3 km course **310 kph/192.6 mph**

Dennis Prost (France)
SA 341-01 Gazelle
Istres

Closed circuit

5/13/71
100 km speed **296 kph/183.9 mph**

Dennis Prost (France)
SA 341-01 Gazelle
Istres

3/12/66
500 km speed **249.84 kph/155.24 mph**

Col. David M. Kyle (USA)
Hughes YOH-6A
1 Allison T-63-A-5
Edwards AFB, California

Class E-1d, light helicopters
1,750-3000 kg/3,858-6,614 lbs

12/11/64
Altitude **10,713.7 m/35,150 ft**

Maj. E. F. Sampson (USA)
Bell UH-1D
1 Lycoming T-52-L-13
Fort Worth, Texas

4/17/68
Distance in a closed circuit **1,528.77 km/949.93 mi**

Alexay Annossov (USSR)
Mil M1-1; AL-26B

4/20/74
Distance in a straight line **1,714.837 km/1,065.55 mi**

Siegfried Hoffman (W. Germany)
Adam Teleki
BO 105-C, D-HABV
2 Allison 250-C-20, 640 shp
Ottobrun, W. Germany to
Hinojosa de Duque, Spain

2/6/82
Speed over a 3 km course **342.61 kph/212.90 mph**

Nicholas Lappos (USA)
Sikorsky S-76
West Palm Beach, Florida

Closed circuit

2/6/82
100 km speed **331.22 kph/205.82 mph**

David Wright (USA)
Sikorsky S-76
West Palm Beach, Florida

11/23/64
500 km speed **286.83 kph/178.22 mph**

Maj. Billy L. Odneal (USA)
Bell UH-1D
1 Lycoming T-53-L-13
Fort Worth, Texas

Class E-1e, light helicopters
3,000-4,500 kg/6,614-9,920 lbs

4/29/75
Altitude **9,071 m/29,760 ft**

Maj. Gen. M. Khosrowdad (Iran)
Bell Model 214A
1 Lycoming LTC4B-8D
Ahwaz

9/23/64
Distance in a closed circuit **2,000.146 km/1,242.83 mi**

CWO Joseph C. Watts (USA)
Bell UH-1D
1 Lycoming T-53-L-11
Edwards AFB, California

9/27/64
Distance in a straight line **2,170.70 km/1,348.81 mi**

Capt. Michael N. Antoniou (USA)
Bell UH-1D
1 Lycoming T-53-L-11
Edwards AFB, California to Rogers, Arizona

2/4/82
Speed over a 3 km course **340.48 kph/211.57 mph**

William Kramer (USA)
Sikorsky S-76
2 Allison 250-C-30, 650 shp
West Palm Beach, Florida

Closed circuit

2/6/82
100 km speed **334.688 kph/207.97 mph**

David Wright (USA)
Sikorsky S-76
2 Allison 250-C-30, 650 shp
West Palm Beach, Florida

2/8/82
500 km speed **345.74 kph/214.84 mph**

Thomas Doyle (USA)
Sikorsky S-76
2 Allison 250-C-30, 650 shp
West Palm Beach, Florida

The world's key policymakers

Specialized aviation organizations

A listing of organizations, publications and individuals that affect aviation policy

Africa

Helicopter Association of Southern Africa
Box 18045, Rand Airport,
Germiston, Transvaal
South Africa 1419
☎ 011-827-2516 ☐ 426-485
Executive Director: Cor Z.A. Beek

Australia

General Aviation Association
Bankstown Airport, Sydney, N.S.W.
2200 Australia
☎ 02-709-2385/5721 ☐ 22247
Executive Director: B. E. Thompson

Canada

Air Transport Association of Canada
747 Metropolitan Life Building
99 Bank Street, Ottawa, Ontario,
Canada K1P 6B9
☎ 613-233-7727
Chairman, Helicopter Committee:
Lowell Ritchey
c/o Frontier Helicopter Ltd. Box 220
Abbotsford, B.C. V2S 4N9
☎ 604-853-5887 ☐ 04363529

France

Groupement Francais de L'Helicoptere
6 Rue Galilee, Paris Cedex 16,
France 75116
☎ 1-723-7252
President: Lionel Poilane

Germany

German Aerospace Industries Association
Bundesverband Deutsche Luftfahrt, Raumfahrt und Austrustungs-industrie
Konstantinstrasse 90
D-5300 Bonn 2, West Germany
☎ 0228-330011 ☐ 0885-528

German Helicopter Association
Deutscher Hubschrauber
Verband e.V.
c/o Sabena
Rossmarkt 10, D-6000
Frankfurt/Main 1, West Germany
☎ 0611-295061 ☐ 0411467
President: Bernhard Liscutin

Helicopterzentrum e.V.
Box 1310, D-3062
Buekeburg, West Germany
☎ 05722-5533
Chairman: Gerhard Lange

New Zealand

Aviation Industry Association
Box 2045
Wellington 1
New Zealand
☎ 4-722-706
President: F. A. Brittain

United Kingdom

British Helicopter Advisory Board
Knowles House, Cromwell Road
Redhill, Surrey, England RH1 1LW
☎ 0737-62371
Chief Executive:
Capt. Eric M. Brown R.N. (Ret'd)

British Rotorcraft Museum Ltd.
The Airport, Weston-S-Mare
Avon, England BS248EL
☎ 0934-822524
Honorary Secretary: Minda L. ap Rees

General Aviation Manufacturers and Traders Association
26 High Street. Brill, Aylesbury
Buckinghamshire, England HP18 9ST
☎ 0844-238-389
Chief Executive: A.B.J. Forman, M.B.E.

United States

Aerospace Industries Association of America
1725 DeSales Street, N.W.
Washington, D.C. 20036
☎ 202-429-4600
President: Karl G. Harr
Director of Helicopter Activities:
Jean Ross Howard

Airborne Law Enforcement Association
c/o Phoenix Police Department
102 East Deer Valley Road
Phoenix, Arizona 85024
☎ 602-262-7427
President: Sgt. Tony Kruczynski
or
c/o Columbus Division of Police
681 West Third Avenue
Columbus, Ohio 43212
☎ 614-222-4656
Librarian: Lt. Paul Newell

Aircraft Owners and Pilots Association
421 Aviation Way
Frederick, Maryland 21701
☎ 301-428-9530
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President: Wanda Rogers

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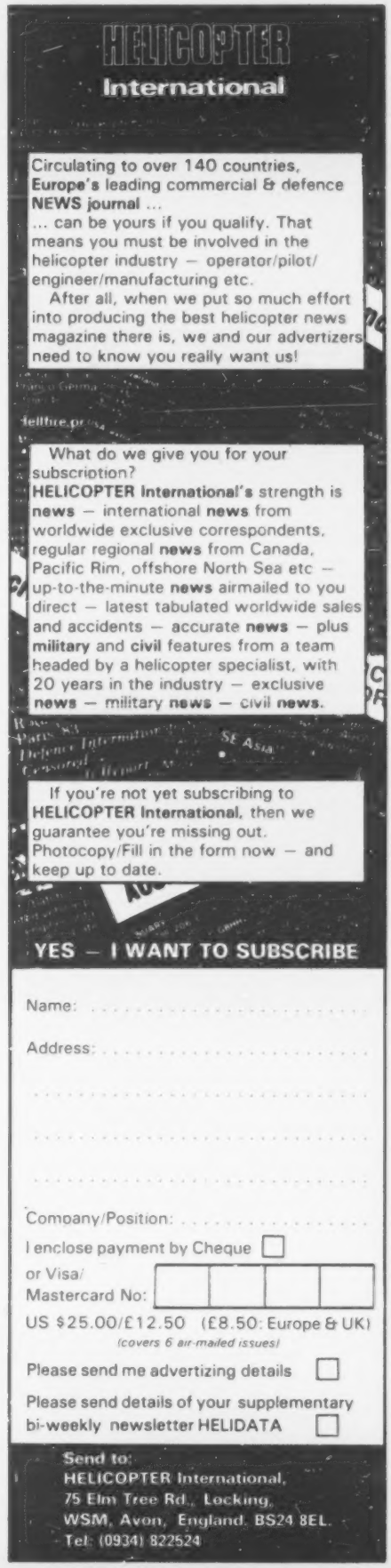
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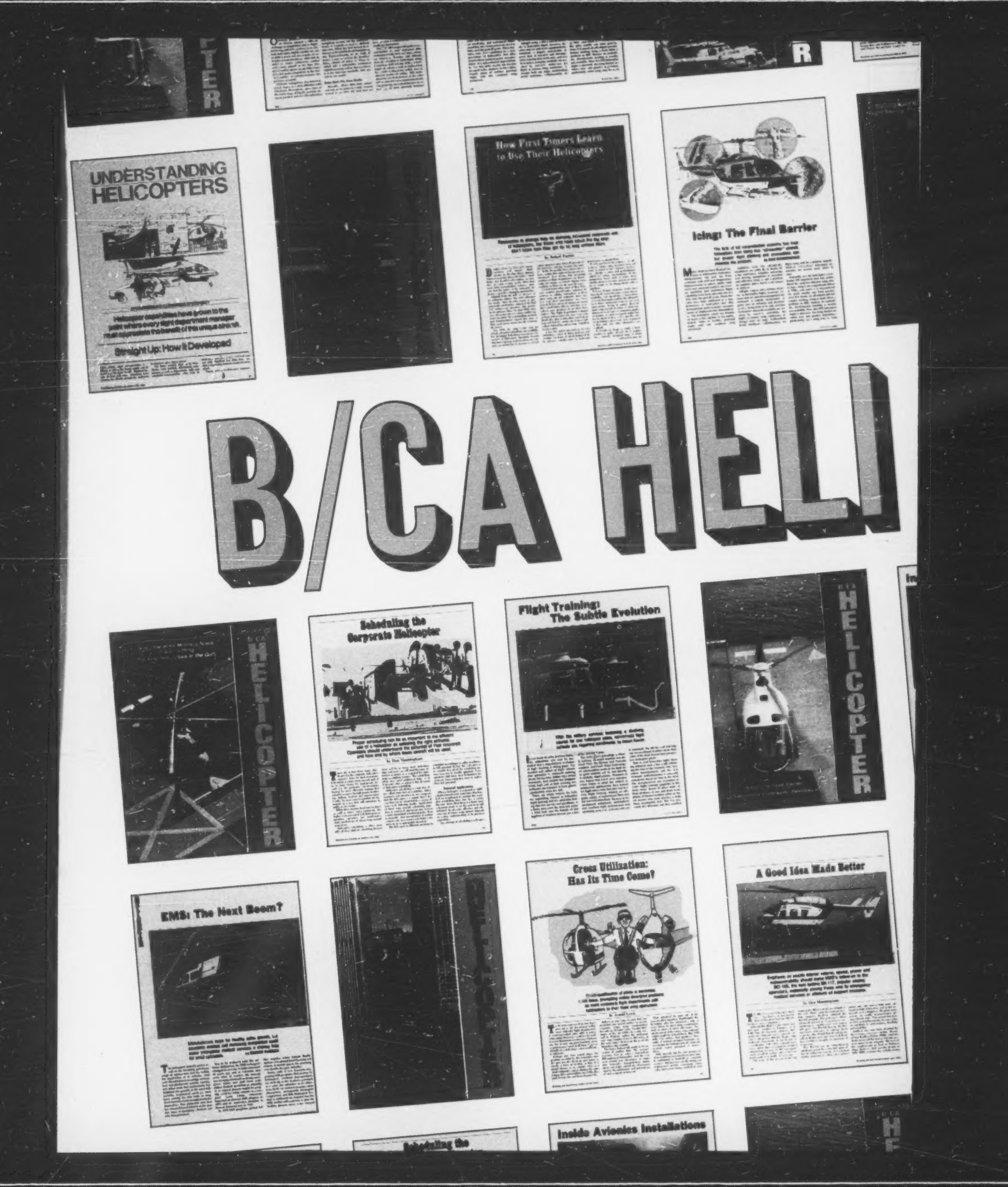
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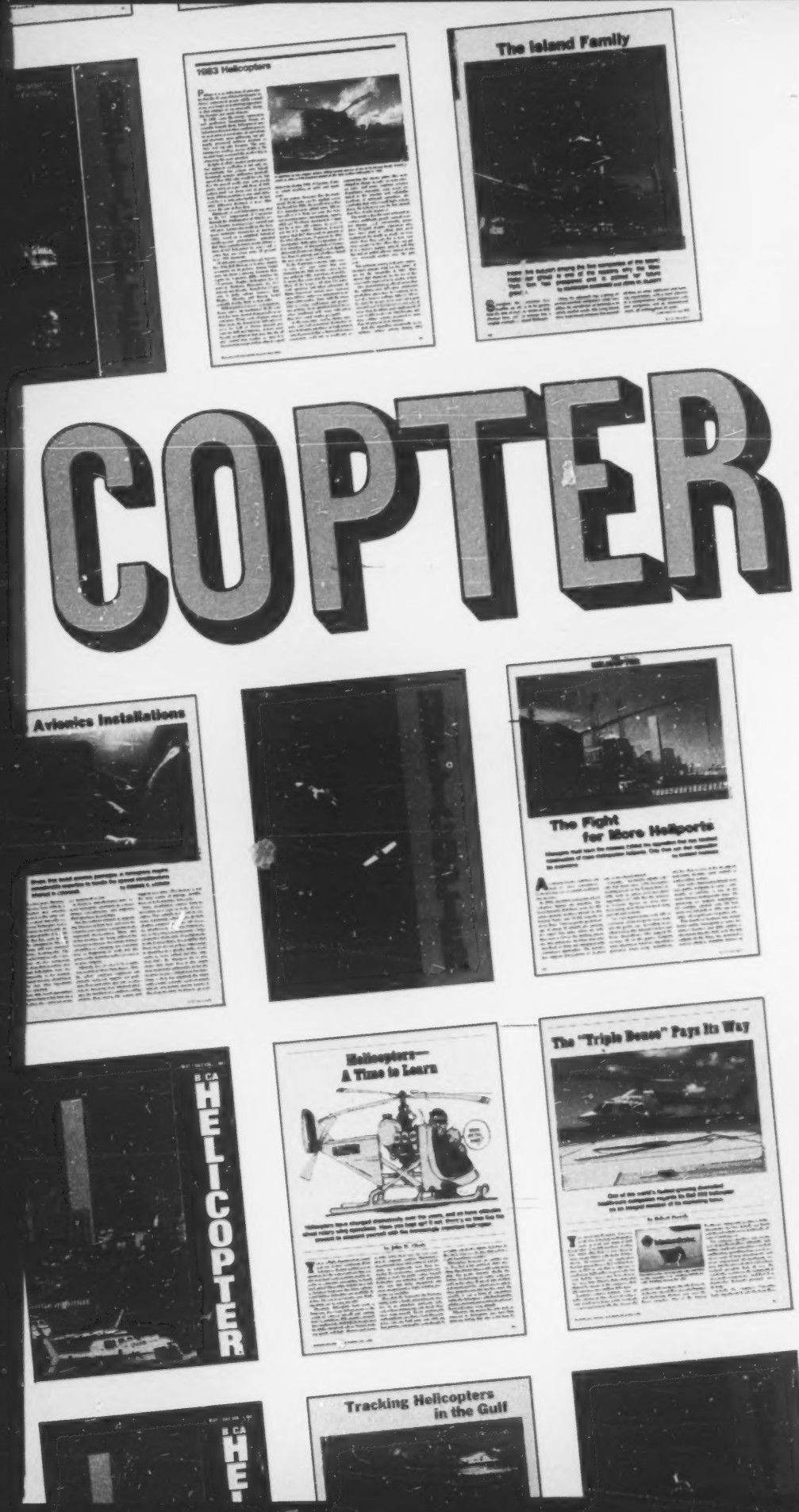

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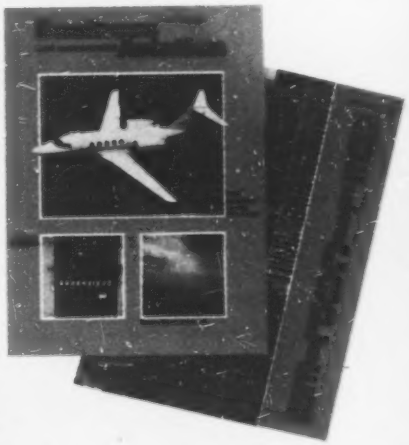

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Editor: Kathryn B. Creedy

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President of Civil Aviation Department
Ministry of Transport
Ansari Watt
P.O. Box 165
Kabul, Afghanistan

Algeria
Z. Bererhi
Director General of Civil Aviation & Meteorology
Ministere des Transports et de la Peche
D. G. A. C. M.
Chemin Gaddouche
Hydra — El Djazair
Algeria

Angola
V. de Mira Godinho
Director of National Civil Aviation
Caixa Postal 569
Luanda, Angola

Antigua and Barbuda
John Velox
Director of Civil Aviation of the Eastern Caribbean States
P.O. Box 1130
St. John's
Antigua and Barbuda

Argentina
Brigadier Roberto Fernando Camblor
Comandante de Civil Aviation Department
Edificio Condor-Comando en Jefe Fuerza Aerea
Comodoro Pedro Zanni N 250
Buenos Aires 1104
Argentina

Australia
C. W. Freeland
Secretary Department of Aviation
GPO Box 367
Canberra City
ACT 2600
Australia

Austria
Dipl. Ing. J. Rausch
President of Federal Office of Civil Aviation
Schnirchgasse 9
A — 1030 WIEN
Austria

Bahamas
D. A. F. Ingraham
Director of Civil Aviation Department
P.O. Box N-975
Nassau, Bahamas

Bahrain
Shaikh Hamad Abdallah Al-Khalifa
Director General of Civil Aviation Department
Government of Bahrain
Bahrain International Airport
P.O. Box 586
Bahrain

Bangladesh
Grp. Capt. (Retd.) Saiful Azam
Director General of Civil Aviation Authority of Bangladesh
Headquarters Office
Kurmitola
Dhaka 6, Bangladesh

Barbados
Russell W. Kellman
Permanent Secretary
Civil Aviation and Tourism Division
Herbert House
Fontabelle
Bridgetown, Barbados

Belgium
W. Vanderperren
Director General of Administration de l'Aeronautique
Centre Communication Nord,
4eme etase, rue du Progres
B-1000 Bruxelles, Belgium

Belize
Luigi Zaldivar
Chief Civil Aviation Officer
Belize International Airport
P.O. Box 367
Belize City
Belize

Benin
A. Lawson, Jr.
Director of Civil Aeronautics Department
B.P. 305
Cotonou, Benin

Bermuda
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Director of Civil Aviation Department
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Av. Arce N 2579
Edificio "Las Retamas"
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M. J. M. Moatshe
Director of Civil Aviation Department
P.O. Box 250
Gaborone, Botswana

Boukina Fasso
M. Modeste M. Yogo
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B. P. 1158
Ouagadougou, Boukina Fasso

Brazil
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Director General of Civil Aviation Department
Praca Salgado Filho s/n
Aeroporto Santos Dumont — 4 andar — Ala Sul
20.021 Rio de Janeiro, Brazil

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Bulgaria
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Int'l Collaboration Department
Levski st. 11
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Director General of Civil Aviation Department
No. 104, Strand Road
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Burundi
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B. P. 2000
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Cameroon
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Canada
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B. P. 96
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Chile
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Avenida Libertador Bernardo O'Higgins N 1170 — 10 Piso
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China
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Director General
General Administration of Civil Aviation of China
P.O. Box 644
Beijing, China

Colombia
Dr. Juan Guillermo Penagos Estrada
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Aeropuerto Internacional Eldorado
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Comoros
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Boite Postale No. 72
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Congo
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B.P. 128
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Costa Rica
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Apartado Postal 5026
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Cuba
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Calle 23 No. 64, Vedado
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Government House No. 25
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Czechoslovakia
Ing. Jiri Nulicek
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Na Prikope 33
110 05 Praha 1
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Democratic Yemen
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Director General of Civil Aviation Department
P.O. Box 424
Crater-Aden
Democratic Yemen

Denmark
V. K. H. Eggers
Director General of Civil Aviation Department
Codenhus, 60, 3rd Floor,
Gammel Kongevej
DK-1850 Copenhagen V, Denmark

Djibouti
Mohamed Mahmoud
Director of Civil Aviation & Meteorology
B.P. 121
Djibouti, Djibouti

Dominica
John Velox
Director of Civil Aviation of the
Eastern Caribbean States
P.O. Box 1130
St. John's, Dominica

Dominican Republic
Nelson de los Santos Cespedes
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Edificio de "Telecommunicaciones"
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Director of Civil Aviation of the
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United Centre, 10th Floor
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Block II East
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Jalan Angkasa I/2 Kemayoran
Jakarta, Indonesia

Iran

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Administrator of Civil Aviation Organization
International Affairs and Air Transport
P.O. Box 3227
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Ben Gurion International Airport 70 100
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Jamaica

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9, Trinidad Terrace
P.O. Box 400
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Kuwait

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P.O. Box 17
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Libya

Marei Mohammed Buzakouk
Director General of Civil Aviation Department
General Administration
Sharia El-Sadee
Tripoli, Libya

Luxembourg

Carlo Mathias
Director of Civil Aviation Department
Ministere des Transports
Service Aeronautique
19-21, Boulevard Royal BP 590
Luxembourg

Madagascar

B. Rakotofamola
Secretaire General
Ministere des Transports du
Ravitaillment et du Touri
B. P. 921
Antananarivo, Madagascar

Malawi

S. B. Mpata
Chief Civil Aviation Officer
Ministry of Transport & Communications
Private Bag 322
Capital City
Lilongwe 3, Malawi

Malaysia

Dr. Abdul Kuddus bin Ahmad
Director General of Civil Aviation Department
Terminal 2
Subang-Kuala Lumpur Int'l Airport
Selangor, Malaysia

Maldives

Mohamed Waheed
Acting Director of Civil Aviation Department
Ministry of Transport
Male, 20-05, Maldives

Mali

Moussa-Alassane Toure
Director of Civil Aviation Department
Ministre des Transports et des Travaux Publics
B. P. 227
Bamako, Mali

Malta

P. Attard
Director of Civil Aviation Department
Civil Airport Building
Luqa, Malta

Mauritania

Kebir Ould Sellamy
Director of Civil Aviation Department
Ministere de L' Equipment et des Transp.
Boite Postale 91
Nouakchott, Mauritania

Mauritius

P. Soobarah
Director of Civil Aviation Department
Plaisance Airport
Plaine Magnien, Mauritius

Mexico

Ing. Carlos A. Moran Moguel
Director General Secretaria de
Communicaciones y Transportes
Bulevar Xola y Avenida de la Universidad
Mexico 12, D. F. Mexico

Monaco

Jose Badia
Chief de Service de la Circulation
Ministere de' Etat
Place de la Visitation
MC Monaco-Ville, Monaco

Montserrat

John Velox
Director of Civil Aviation of the
Eastern Caribbean States
P.O. Box 1130
St. John's, Montserrat

Morocco

J. Daoudi
Directeur de l' Air
Ministere des Transports
Casier officiel
Rabat — Chellah, Morocco

Mozambique

Lourenco Goncalo Chilundu
Director of Civil Aviation Department
P.O. Box 227
Maputo, Mozambique

Nauru

G. F. Vaeau
Director of Department of Civil Aviation
Nauru

Nepal

D. J. Thapa
Director General of Civil Aviation Department
Babar Mahal
Kathmandu, Nepal

Netherlands

H. Raben
Director General of Civil Aviation Department
Koninginnegracht 19-21
P.O. Box 20903
2500 EX The Hague, Netherlands

Netherlands Antilles

Dr. C. E. Cathalina
Director of Civil Aviation
Civil Aviation Department
Seru Mahuma z/n
Curacao, Netherlands Antilles

New Zealand
A. J. Healy
Secretary for Transport
Ministry of Transport
Private Bag
Wellington, New Zealand

Nicaragua
Samuel A. Granera
Director General of Civil Aeronautics Department
Ministerio de Transporte
Apartado Postal 4936
Managua, Nicaragua

Niger
Abdou Mahamane Goge
Directeur de Civil Aviation Department
Ministere du Commerce et des Transports
B. P. 727
Niamey, Niger

Nigeria
H. N. Odigwe
Acting Director of Civil Aviation
Civil Aviation Department Headquarters
8th Fl, Federal Secretariat
P. M. B. 12744
Ikoyi
Lagos, Nigeria

Norway
E. Willoch
Director General of Civil Aviation Administration
P.O. Box 8124 Dep. N
Oslo 1, Norway

Oman
Eng. Mohamed Rajab Al-Ba' Omar
Director General of Civil Aviation Department
P.O. Box 204
Muscat, Oman

Pakistan
Air Vice Marshal Khursheed Anwar Mirza
Director General of Civil Aviation Authority
19 Liaquat Barracks
Karachi 4, Pakistan

Panama
Dr. Cesar A. Rodriquez Maylin
Director General of Civil Aviation Department
Edificio de Diego No. 98, Ler Piso
Calle 40 y Avenida Balboa
Apartados 7501 y 7615
Panama 5, Panama

Papua New Guinea
J. P. Wal
Director of Civil Aviation
Department of Transport and Civil Aviation
Post Office Box 87
Konedobu, Papua New Guinea

Paraguay
Cnel. Victor Rafael Basualdo-Fornells
Director General of Civil Aviation Department
Ministerio de Defensa Nacional 2 Pisco
Avenida Mariscal Lopez y Vice-Presidente Sanchez
Asuncion, Paraguay

Peru
Carlos Minaya Torres
Director General of Air Transport
Ministerio de Transportes y Comunicacion
Esq. Avda. 28 de Julio, esq.
Avda, Garcilazo de la Vega
Lima, Peru

Philippines
Brig. General Jesus Z. Singson (Ret.)
Director of Bureau of Air Transportation
Manila International Airport
Pasay City 3110, Philippines

Poland
Dr. Jozef Sobieraj
General of Central Admin. of Civil Aviation
Ministry of Transport
ul. Chalubinskiego 4/6
00-928 Warszawa 67, Poland

Portugal
Joao A. S. Ribeiro
Director General of Civil Aviation Department
Avenida da Liberdade, 193
1298 Lisbon CODEX, Portugal

Qatar
Omran Essa Al-Kawari
Director of Civil Aviation Department
P.O. Box 3000
Doha, Qatar

Romania
D. N. Pulu
Chief of Civil Aviation Department
Soseaua Bucuresti-Ploiesti
Km. 16,5
7000 Bucuresti-
Otopeni, Romania

Rwanda
Denis Amri
Director of Civil Aeronautics Department
Boite Postale 720
Kigali, Rwanda

Sao Tome & Principe
Felisberto A. L. Neto
Director of Civil Aeronautics Department
Caixa Postal 97
Sao Tome, Sao Tome & Principe

Saudi Arabia
H. E. Sheikh Nasir al-Assaf
President of Civil Aviation Organization
P.O. Box 929
Jeddah, Saudi Arabia

Senegal
Diogomaye Diop
Directeur de Civil Aviation Department
B. P. 8184
Aeroport de Dakar/Yoff, Senegal

Seychelles
M. J. L. Toustau-Lalanne
Directorate of Civil Aviation
President's office
Department of Finance and Industry
P.O. Box 181
Victoria
Mahe, Seychelles

Sierra Leone
S. D. M. Hanciles
Director of Civil Aviation Department
Ministry of Transport and Communications
Ministerial Office Block
George Street (Central)
Freetown, Sierra Leone

Singapore
Lim Hock San
Director of Civil Aviation Department
Singapore Changi Airport
P.O. Box 1
Singapore

Soloman Islands
J. S. Anea
Acting Principal Civil Aviation Off.
Civil Aviation Branch
Ministry of Transport & Communications
G. P. O. Honiara, Soloman Islands

Somalia
Adiib Mire Mahad
Director of Civil Aviation Department
P.O. Box 310
Mogadishu, Somalia

South Africa
J. J. S. Germishuys
Commissioner for Civil Aviation
Directorate of Civil Aviation
Private Bag X193
Pretoria 0001, South Africa

Spain
D. Pedro Tena Lopez
Director General of Civil Aviation Department
Avenida de America 25
Madrid - 2 Spain

Sri Lanka
D. C. T. Jansz
Acting Director of Civil Aviation Department
P.O. Box 535
Lotus Road
Columbo 1, Sri Lanka

St. Christopher and Nevis
John Velox
Director Civil Aviation of the
Eastern Caribbean States
P.O. Box 1130
St. John's, St. Christopher and Nevis

St. Lucia
John Velox
Director Civil Aviation of the
Eastern Caribbean States
P.O. Box 1130
St. John's, St. Lucia

St. Vincent
John Velox
Director Civil Aviation of the
Eastern Caribbean States
P.O. Box 1130
St. John's, St. Vincent

Sudan
Sayed Sir Hassan Bashir
Director General of Civil Aviation Department
Ministry of Defence
P.O. Box 430
Khartoum, Sudan

Suriname
B. R. Douglas
Director of Civil Aviation Department
P.O. Box 1981
Paramaribo, Suriname

Swaziland
D. F. Litchfield
Director of Civil Aviation Department
Ministry Works, Power & Communications
P.O. Box 58
Mbabane, Swaziland

Sweden
Bengt A. W. Johansson
Director General of Board of Civil Aviation
S-601 79 Norrkoping, Sweden

Switzerland
R. Kunzi
Director of Federal Office of Civil Aviation
Inselgasse 1
3003 Berne, Switzerland

Syria
M. Mehrez
Director General of Civil Aviation Department
1 Sahet El-Najmeh
Damascus, Syria

Tanzania

L. Mollel
Director General of Civil Aviation Department
P.O. Box 2819
Dar-es-Salaam, Tanzania

Thailand

Sribhumi Sukhanetr
Director General of Department of Aviation
71 Soi Ngarmdu-Plee
Tungmahamek
Bangkok 10120, Thailand

Togo

Konga Walla
Director of Civil Aviation Department
B. P. 2699
Lome, Togo

Trinidad & Tobago

G. Seignoret
Director of Civil Aviation Department
P.O. Box 552
Port of Spain
Trinidad & Tobago

Tunisia

Ingenieur en Chef Taieb Mohamed
Director of Civil Aviation Department
Ministere des Transports et des Commun
1, Rue d' Athenes
Tunis, Tunisia

Turkey

Huseyin Ergocmen
Director General of Civil Aviation Department
Ministry of Communications
Ankara, Turkey

Uganda

W. K. Kato
Acting Director General of Civil Aviation Department
P.O. Box 5536
Kampala, Uganda

Union of Soviet Socialist Republic

B. Bugaev
Ministry of Civil Aviation
Leningradsky Prospekt, 37
Moscow A-167
Union of Soviet Socialist Republic

United Arab Emirates

H. E. Majid Saif Al Majid
Director General of Civil Aviation Department
Ministry of Communications
P.O. Box 900
Abu Dhabi, United Arab Amirates

United Kingdom

John Dent CBE
Chairman of Civil Aviation Authority
CAA House
45/59 Kingsway
London WC2B 6TE, United Kingdom

United States

Civil Aeronautics Board
1825 Connecticut Avenue, N.W.
Washington, D.C. 20428
☎202-673-5260 ☐8229066
Chairman: Dan McKinnon
Director Bureau of Int'l Aviation:
Daniel M. Kasper
Director, Bureau of Domestic Aviation:
Barbara A. Clark

Department of Transportation

400 Seventh Street, S.W.
Washington, D.C 20590
☎202-426-4000
Director, Air Transportation: John B. Flynn
Director, Public Affairs: Amando Mena

Federal Aviation Administration
National Headquarters
800 Independence Avenue, S.W.
Washington, D.C. 20591
Area code: 202

	Direct phone	Mail code
Administrator: Donald D. Engen	426-3111	AOA-1
Dep. Admin.: Richard Jones	426-8111	ADA-1
Associate Admin. for Development and Logistics: A.P. Albrecht	426-8181	ADL-1
Director of Program, Engineering and Maintenance Service: Martin T. Pozesky	426-3200	APM-1
Chief, Navigation and Landing Division: Alvin Thomas	426-3595	APM-400
Associate Admin. for Policy & Int'l Aviation: Donald Riley Segner	426-3030	API-1
Director, Office of Environment & Energy: John E. Wesler	426-8406	AEE-1
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Director, Office of Int'l Aviation: Steve B. Zaidman	426-3213	AIA-1
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Associate Admin. for Airports: William F. Shea	755-9471	ARP-1
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Manager, Nat'l Planning Division, Office for Airport Planning and Programming: James Mottley	426-3451	APP-400
Director, Office of Airport Standards: Leonard E. Mudd	426-3053	AAS-1
Associate Admin. for Air Traffic Raymond J. Van Vuren	426-3666	AAT-1
Manager, Systems Programs Division: Lawrence Fortier	426-3136	AAT-100
Acting Manager, Airspace, Air Traffic Rules & Aeronautical Information Division: John Baier	426-3731	AAT-200
Manager, ATC Procedures Division: Willard Reazin	426-3725	AAT-300
Associate Admin. for Aviation Standards: Walter S. Tuffsey	426-3131	AVS-1
Director, Rotorcraft Program Office: Jerold Chavkin	426-3425	ARO-1
Chairman, FAA Rotorcraft Task Force: Dick Livingston	426-8748	ARO-1
Director, Office of Flight Operations: Kenneth S. Hunt	426-8237	AFO-1
Director, Aviation Standards Nat'l Field Office (Oklahoma City): Robert L. Goodrich	405-686-2305	AVN-1
Director, Office of Aviation Safety: William R. Fromme	426-2604	ASF-1
Director, Office of Airworthiness: M. Craig Beard	426-8235	AWS-1

Federal Aviation Administration
Southwest Region Headquarters
4400 Blue Mound Road
(Mail address P.O. Box 1689)
Fort Worth, Texas 76101
Area code: 817

Director: C.R. Melugin, Jr.	877-2100	ASW-1
Manager, Aircraft Certification Division: Don P. Watson	877-2581	ASW-100
Manager, Helicopter Policy and Procedures Staff: John J. Shapley	877-2584	ASW-110
Manager, Helicopter Certification Branch: James D. Erickson	877-2083	ASW-170
Manager, Airports Divison: John A. Dufficy	877-2600	ASW-600

Federal Aviation Administration
Alaskan Region Headquarters
701 C Street, Box 14
Anchorage, Alaska 99513
Area code: 907

Director: Franklin L. Cunningham	271-5645	AAL-1
Acting Manager, Flight Standards Division: Tom Westall	271-5514	AAL-200
Manager, Air Traffic Division: Robert F. Harik	271-5464	AA1-500
Manager, Airports Division: Robie B. Strickland	271-5438	AAL-600

Federal Aviation Administration
Central Region Headquarters
601 East 12th Street
Federal Building
Kansas City, Missouri 64106
Area code: 816

Director: Murray E. Smith	374-5626	ACE-1
Manager, Flight Standards Division: James O. Robinson	374-5003	ACE-200
Manager, Air Traffic Division: William Pollard	374-5206	ACE-500
Manager, Airports Division: Wm. Jack Sasser	374-5278	ACE-600

Federal Aviation Administration
Eastern Region Headquarters
JFK International Airport
Federal Building
Jamaica, New York 11430
Area code: 212

Director: Joseph M. Del Balzo	917-1005	AEA-1
Manager, Flight Standards Division: James E. Haight	917-1124	AEA-200

Acting Manager, Air Traffic Division: Richard Miller	917-1219	AEA-500
Manager, Airports Division: Brian J. Vincent	917-1239	AEA-600

Federal Aviation Administration
European Office Headquarters
15 Rue de la Loi (3rd floor)
B-1040 Brussels, Belgium
(Mail address: c/o American Embassy, APO, New York 09667)

Director: Phillip M. Swatek	AUT-314-458-2225	AEU-1
Manager, Flight Standards Staff: Roger R. Jones	AUT-314-458-2234	AEU-200
Manager, Air Traffic Staff: Lonnie D. Parrish	AUT-314-458-2227	AEU-500

Federal Aviation Administration
Great Lakes Region Headquarters
O'Hare Lake Office Center
2300 East Devon Avenue
Des Plaines, Illinois 60018
Area code: 312

Director: Paul K. Bohr	694-7294	AGL-1
Manager, Flight Standards Division: George MacArthur	694-7252	AGL-200
Manager, Air Traffic Division: Kenneth C. Patterson	694-7202	AGL-500
Manager, Airports Division: Peter A. Serini	694-7272	AGL-600

Federal Aviation Administration
New England Region Headquarters
12 New England Executive Park
Burlington, Massachusetts 01803
Area code: 617

Director: Robert E. Whittington	273-7244	ANE-1
Manager, Flight Standards Division: William H. Williams, Jr.	273-7341	ANE-200
Manager, Air Traffic Division: James I. Lucas	273-7285	ANE-500
Manager, Airports Division: Gerald D. Curtin	273-7235	ANE-600

Federal Aviation Administration
Northwest Mountain Region Headquarters
17900 Pacific Highway South
C-68966
Seattle, Washington 98168
Area code: 206

Director: Charles R. Foster	431-2001	ANM-1
Manager, Aircraft Certification Division: Leroy Keith	431-2100	ANM-100
Manager, Flight Standards Division: Tom Howard	431-7040	ANM-200
Manager, Air Traffic Division: David E. Jones	431-2500	ANM-500
Manager, Airports Division: Edward G. Tatum	431-2600	ANM-600

Federal Aviation Administration
Southern Region Headquarters
3400 Norman Berry Drive
East Point, Georgia
(Mail address: P.O. Box 20636, Atlanta, Georgia 30320)
Area code: 404

Director: Jonathan Howe	763-7222	ASO-1
Acting Manager, Flight Standard Division: William Berry	763-7401	ASO-200
Manager, Air Traffic Division: Thomas H. Protiva	763-7461	ASO-500
Manager, Airports Division: William J. McGill	763-7288	ASO-600

Federal Aviation Administration
Technical Center
Atlantic City Airport, New Jersey 08405
Area code: 609

Acting Director: Larry Williams	484-6641	ACT-1
Manager, Guidance & Airborne Systems: Robert H. Pursel	484-6919	ACT-140
Supervisor, Guidance Airborne Systems:	484-6918	ACT-140

Federal Aviation Administration
Western-Pacific Region Headquarters
15000 Aviation Boulevard
Hawthorne, California
(Mail address: P.O. Box 92007
Worldway Postal Center
Los Angeles, California 90009)
Area code: 213

Director: H.C. McClure	536-6427	AWP-1
Manager, Flight Standards Division: Clyde M. DeHart	536-6251	AWP-200
Manager, Air Traffic Division: Wayne Newcomb	536-6226	AWP-500
Manager, Airports Division: Herman C. Bliss	536-6240	AWP-600

Uruguay

Cnel. (Av.) Luis E. Revello
Director General of Civil Aviation Department
Yi 1444
Montevideo, Uruguay

Vanuatu

J. P. Orecchioni
Director of Civil Aviation Department
Ministry of Communications and Public Works
Port Vila, Vanuatu

Venezuela

Gral. Brig. Arturo Rivera F.
Director General de Sectorial de Transporte
Ministerio de Transporte y Communicacione
Torre Bandagro-Piso 12-Oficina
12-1 Esquina de Jesuitas
Caracas 1010 D.F., Venezuela

Western Samoa

K. L. Enari
Administrator of Civil Aviation Administration
Acting Secretary to Government
Prime Minister's Department
P.O. Box 193
Apia, Western Samoa

Yemen Arab Republic

Ali Mohamed Al-Arashi
Director General of Civil Aviation & Met. Authority
Ministry of Communications
P.O. Box 1042
Sena'a, Yemen Arab Republic

Yugoslavia

A. Zelic
President Federal Committee for Transport & Communications
Air Transport Sector
Bulevar AVNOJ-a 104
Novi Beograd, Yugoslavia

Zaire

Citoyen Lema Ndombasi
Director of Civil Aeronautics Department
B. P. 6514
Kinshasa/N' dolo, Zaire

Zambia

Captain S. P. L. Kawanu
Director of Civil Aviation Department
P.O. Box 50137
Ridgeway
Lusaka, Zambia

Zimbabwe

M. Madders
Director of Civil Aviation Department
Sarum House
78 Manica Road
P.O. Box 7716
Harare, Zimbabwe

U.S. civil aviation policymakers

The following legislators have assigned responsibilities in forming U.S. policy affecting commercial helicopter operations.

Senators may be contacted at their direct telephone numbers or this address:
U.S. Senate, Washington, D.C. 20510.

Sen. Mark Andrews (R-ND)
Chairman, Transportation and Related Agencies Subcommittee
☎ 202-224-2043

Sen. Rudy Boschwitz (R-MN)
Chairman, Subcommittee on Export Promotion
☎ 202-224-5641

Sen. John C. Danforth (R-MO)
Chairman, Subcommittee on Regulatory Affairs
☎ 202-224-6154

Sen. Robert Dole (R-KS)
Chairman, Finance Committee
☎ 202-224-6521

Sen. Dave Durenberger (R-MN)
Chairman, Subcommittee on Intergovernmental Relations
☎ 202-224-3244

Sen. Jake Garn (R-UT)
Chairman, Subcommittee on HUD-Independent Agencies
☎ 202-224-5444

Sen. Slade Gorton (R-WA)
Chairman, Subcommittee on Science, Technology & Space
☎ 202-224-2621

Sen. Mark Hatfield (R-OR)
Chairman, Appropriations Committee
☎ 202-224-3753

Sen. Russell B. Long (D-LA)
Commerce, Science and Transportation Committee
☎ 202-224-4623

Sen. Nancy Kassebaum (R-KS)
Chairman, Aviation Subcommittee
☎ 202-224-4774

Sen. James A. McClure (R-ID)
Chairman, Committee on Energy and Natural Resources
☎ 202-224-2752

Sen. Don Nickles (R-OK)
Chairman, Subcommittee on Government Procurement
☎ 202-224-5754

Sen. Bob Packwood (R-OR)
Chairman, Commerce, Science and Transportation Committee
☎ 202-224-5244

Sen. William V. Roth (R-DE)
Chairman, Committee on Governmental Affairs
☎ 202-224-2441

Sen. Warren Rudman (R-NH)
Chairman, Subcommittee on Innovation and Technology
☎ 202-224-3224

Sen. Robert Stafford (R-VT)
Chairman, Environment and Public Works Committee
☎ 202-224-5141

Sen. Ted Stevens (R-AK)
Chairman, Subcommittee on Defense
☎ 202-224-3004

Sen. Steve Symms (R-ID)
Chairman, Transportation Subcommittee
☎ 202-224-6142

Sen. Lowell P. Weicker (D-CT)
Chairman, Committee on Small Business
☎ 202-224-4041

Representatives may be contacted at their direct telephone numbers or this address:
U.S. House of Representatives, Washington, D.C. 20515

Rep. Joseph Addabbo (D-NY)
Chairman, Subcommittee on Defense
☎ 202-225-3461

Rep. Edward P. Boland (D-MA)
Chairman, Subcommittee on HUD-Independent Agencies
☎ 202-225-5601

Rep. Don Bonker (D-WA)
Chairman, Subcommittee on International Economic Policy and Trade
☎ 202-225-3536

Rep. Jack Brooks (D-TX)
Chairman, Committee on Government Operations
☎ 202-225-6565

Rep. Barber Conable, Jr (R-NY)
Ways and Means Committee
☎ 202-225-3615

Rep. James J. Florio (D-NJ)
Chairman, Subcommittee on Commerce, Transportation and Tourism
☎ 202-225-6501

Rep. Dan Fuqua (D-FL)
Chairman, Science and Technology Committee
☎ 202-225-5235

Rep. Dan Glickman (D-KS)
Chairman, Transportation, Aviation and Materials Subcommittee
☎ 202-225-6216

Rep. James Howard (D-NJ)
Chairman, Public Works and Transportation Committee
☎ 202-225-4671

Rep. Andy Ireland (D-FL)
Chairman, Subcommittee on Export Opportunities
☎ 202-225-5015

Rep. William Lehman (D-FL)
Chairman, Subcommittee on Transportation
☎ 202-225-4211

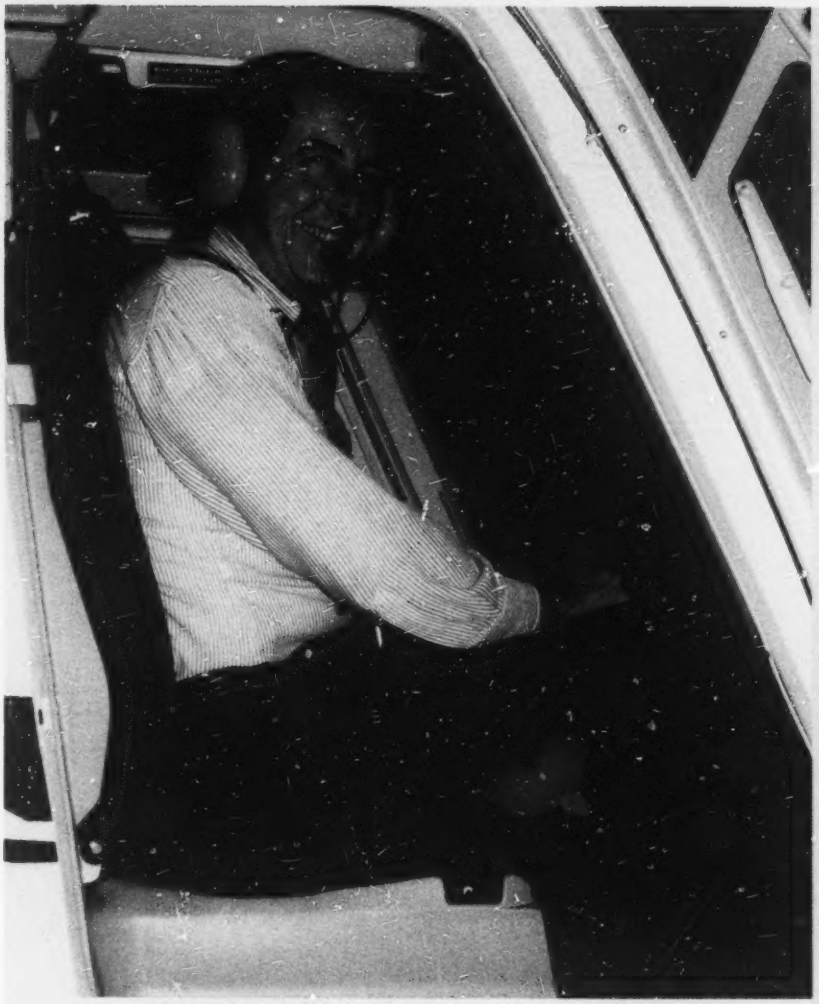
Rep. Norman Mineta (D-CA)
Chairman, Aviation Subcommittee
☎ 202-225-2631

Rep. Parren J. Mitchell (D-MD)
Chairman, Committee on Small Business
☎ 202-225-4741

Rep. Dan Rostenkowski (D-IL)
Chairman, Ways and Means Committee
☎ 202-225-4061

Rep. James H. Weaver (D-OR)
Chairman, Subcommittee on Mining, Forestry and Bonneville Power Administration
☎ 202-225-6416

Rep. Jamie Whitten (D-MS)
Chairman, Appropriations Committee
☎ 202-225-4306



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Bell Helicopter Textron Inc.

Gordon Moody
Central Division Office
Box 482
Ft. Worth, TX 76101
(817) 280-2573

Tom Larsen
Mountain Division Office
Suite 324
3033 South Parker Road
Aurora, CO 80014
(303) 750-5990

Frank Mustico
Eastern Division Office
Box 473
27 South Commerce Drive
Montgomeryville, PA 18936
(215) 368-6116

Ralph Helmericks
Southeast Division Office
Northlake Quadrangle Suite 295
2200 North Lake Parkway
Tucker, GA 30084
(404) 938-6710

Bill Yarber
Pacific Division Office
7155 Valjean Avenue
Van Nuys, CA 91406
(818) 787-3780

Jim Murphy
Canada Office
No. 2, 3740 27th Street, N.E.
Calgary, Alberta, Canada
T1Y 5E2
(403) 291-1455

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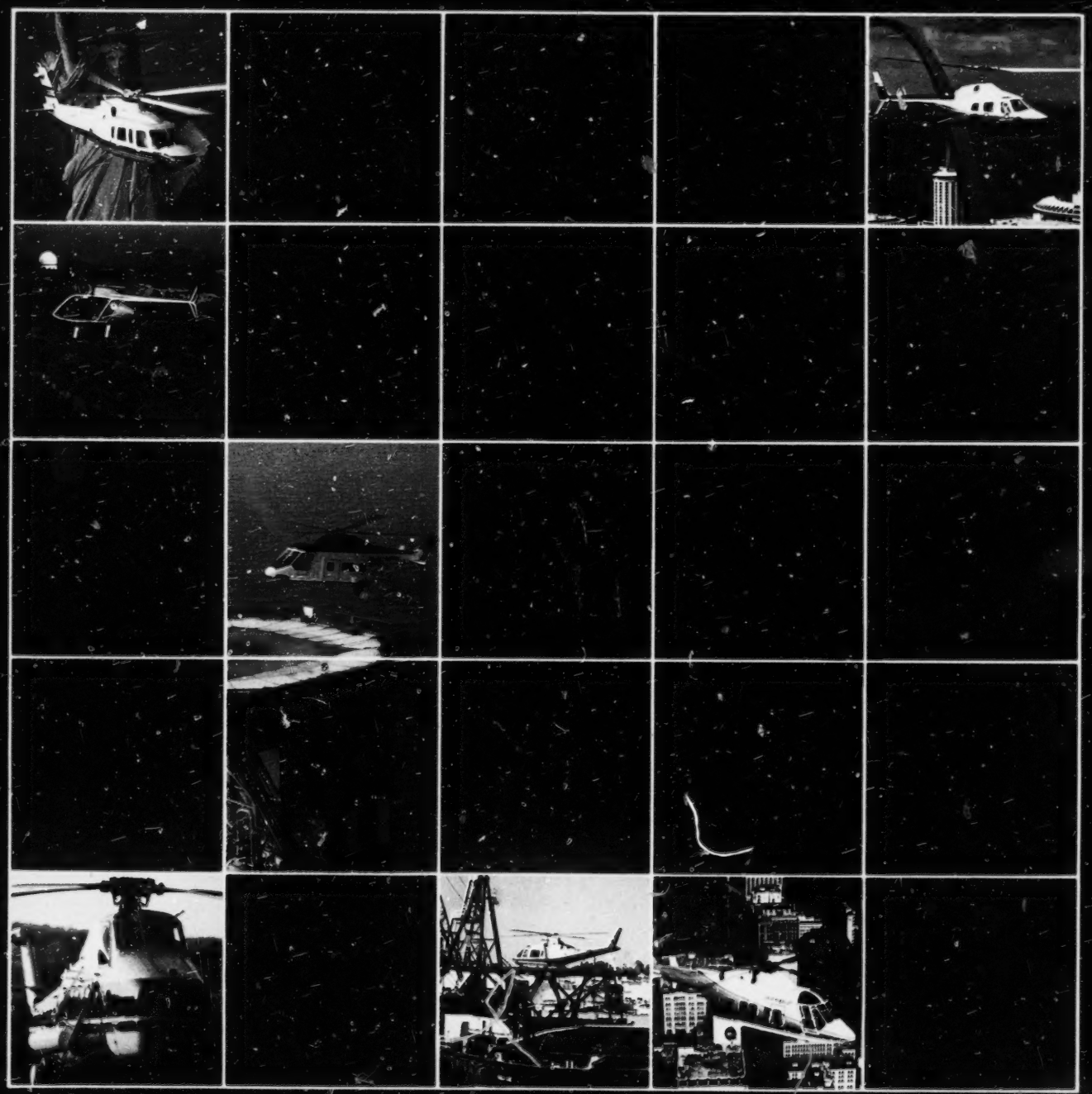


1984 was a year of change, consolidation and constant activity for the Helicopter Association International (HAI). The following is a general listing of the ways in which HAI served you in the last year.

1/84 HAI and the Department of Defense cooperated to enhance government contracting opportunities for commercial helicopter operators during the 1984 Olympic Games in Los Angeles, California.

1/19/84 The 36th Annual Meeting and Industry Exposition opened in Las Vegas, Nevada and *The 1984 Helicopter Annual* was officially released.

1/21/84 HAI was awarded the Federal Aviation Administration's (FAA) Silver Award for Distinguished Service at the 23rd Annual Awards Banquet in Las Vegas, Nevada. The award was in "recognition of organizing and sponsoring an innovative noise reduction program (Fly Neighborly) which produces unique benefits to communities worldwide." HAI is the only trade association that has received this important award.

1/18 - 22/84 HAI was present at the Asian Aerospace Exhibition, Singapore, for the first time. HAI was given display space by Heli-Orient.

2/84 HAI Executive Director Frank L. Jensen, Jr., as a member of Small Business Legislative Council's Executive Committee, was recognized by President Ronald Reagan at a White House ceremony.

3/13/84 HAI Director of Heliports and Airways, Glenn A. Leister, spoke at a public hearing on the U.S. Department of Energy (DOE) proposal to establish or modify existing prohibited areas at nine DOE nuclear facilities. Leister challenged the proposal to prohibit all helicopter flight over these facilities.

3/14 - 15/84 HAI sponsored a Helicopter Safety Seminar in Meadowland Heights, New Jersey.

3/14 - 16/84 HAI participated on the U.S. Delegation to the Tenth Meeting of the Visual Aids Panel, International Civil Aviation Organization in Montreal, Canada. Director of Operations, Louis P. Bartolotta, Jr., represented helicopter interests on the marking of overhead wires, visual aids for international helicopter operations and visual aids for taxiing.

4/84 HAI Headquarters staff was reduced in size, and reorganized into three departments: Administration & Legal, Membership Services, and Operations.

4/84 HAI and six other aviation associations joined in asking the FAA to reconsider distribution methods of its first series of Microwave Landing System (MLS) installations, stating that current Instrument Landing Systems would suffice in most installations, and MLS units could be used to upgrade many other airports and heliports.

4/84 HAI and 11 other aviation organizations urged the U.S. Congress to allow full funding of the 1984 FAA budget requests for the Airport Improvement Program.

4/2/84 The HAI Manufacturers Committee approved and initiated a new membership recruitment program — various airframe manufacturers are sponsoring one year of Regular membership to purchasers of new and reconditioned helicopters who are not already HAI members.

4/12/84 The HAI Heliports & Airways Commitee (HIAC) conducted a Fly Neighborly seminar for the National Guard, at Davidson Army Airfield, Ft. Belvoir, Virginia.

4/16/84 HAI sponsored the seminar, "Sales and Profits are Still Possible in Latin America," given by Robert Radway, Esq., former Legal Adviser to the Council of the Americas.

4/25/84 HAI and the Federal Bar Association's Air and Space Transportation Law Committee hosted a panel discussion on the "The Helicopter in the Surburban/Urban Environment." HAI General Counsel, Steffanie Parker, moderated the discussion.

5/15/84 HAI & AHS co-sponsored a Helicopter Reception at the National Air and Space Museum.

6/84 Noise tests were conducted throughout the summer of 1984 by the HAI Acoustic Committee at Dulles International Airport on Agusta, Bell, Boeing Vertol, Hughes, MBB, Robinson and Sikorsky helicopters.

6/1 - 2/84 HAI staged a static display of four helicopters at the "Reach for the Stars" Very Special Arts Festival in Reston, Virginia.

6/5 - 6/84 HAI conducted two Fly Neighborly Seminars in Los Angeles, California: an Olympic orientation at the Los Angeles Police Department auditorium, and Helicopters in Hollywood Productions.

6/13 - 14/84 HAI Board of Directors meeting in Washington, D.C., and the Third Annual Washington Reception is held.

7/11/84 HAI Executive Director Frank L. Jensen, Jr. and executives of Washington area aviation associations met with FAA Administrator Donald D. Engen to discuss helicopter operational matters.

7/24/84 HAI Executive Director Frank L. Jensen, Jr., represented the HAI and the civilian helicopter industry before the U.S. House of Representatives' Committee on Science and Technology at the oversight hearing on Aircraft Navigation and Landing Technology.

8/84 HAI's Technical Committee announces the graduation of the two 1984 A&P Scholarship winners, Daniel Swank and William C. Howard, training on the Aerospatiale 322 SuperPuma and Sikorsky S-76, respectively.

8/6 - 10/84 HAI's Executive Committee meets in Anchorage, Alaska. Chairman Loran E. Patterson, President Charles W. Johnson, First Vice President Terry S. Jones and Executive Director Frank L. Jensen, Jr. were present.

8/14/84 HAI Executive Director Frank L. Jensen, Jr., and executives of Washington-area aviation associations met with FAA Administrator Donald D. Engen to discuss the problems and possible safety precautions of mid-air collisions.

8/28 - 31/84 HAI's European Director, Rob Vinckx, participated in the tenth European Rotorcraft Forum in Netherlands. Vinckx was a member of the planning committee.

8/29/84 First meeting of HAI Emergency Medical Services (EMS) committee was held in San Diego, California. Dr. William Baxt of the University of Southern California Medical Center is elected as committee chairman.

8/31/84 HAI closed the purchase of its new headquarters in Alexandria, Virginia.

9/2 - 9/84 President Charles W. Johnson and Executive Director Frank L. Jensen, Jr. met with HAI European members at Farnborough, England; agreement was reached on concept of regional representation.

9/11/84 Ground breaking ceremonies were held for the new HAI headquarters in Alexandria, Virginia.

9/15/84 HAI's Director of Operations, Louis P. Bartolotta, Jr., was a faculty member for the 12th New England Council for Emergency Medical Services Annual Meeting and Educational Seminar, "EMS in Helicopters in the Northeast."

9/17/84 HAI Executive Director Frank L. Jensen, Jr. submitted testimony on OMB Circular A-76 to the House of Representative's subcommittee on Human Resources. The circular was designed to enhance government productivity by using the private sector for operations whenever feasible, except when certain patient care is involved, national defense is at stake, or if government can operate at a lower price. Jensen's testimony pointed out that many of the government helicopter operations were coming in above cost U.S. taxpayers were footing the bill, when it could have been less expense if bid out to private operators.

9/19/84 The HAI Helicopter Airlines Committee and the Helicopter Airline Association met at HAI Headquarters and reached an agreement of cooperation. Both groups will work together toward common goals and hold their meetings in conjunction with one another.

9/23 - 28/84 HAI's International Management Course IV was held in Amsterdam, the Netherlands.

9/30/84 HAI publishes the Safety Manual, culminating an extensive effort by the Safety Committee, the staff and elected leaders.

10/84 Director of Heliports and Airways, Glenn A. Leister, presented a speech to the FAA Aviation Fuel Conservation Symposium entitled, "Civil Helicopters: Fuel Efficient Transportation and Why Operators Need System Improvements Now!"

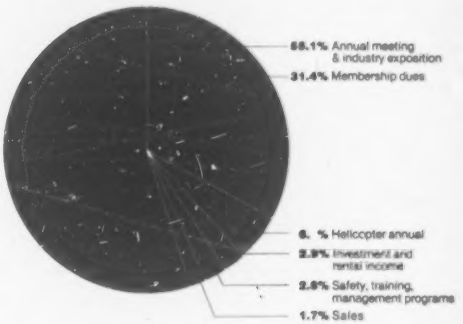
10/11 - 12/84 HAI, with the Illinois Department of Transportation, sponsored the safety seminar "Corporate and Community Helicopter operations" in Chicago, Illinois.

10/18 - 19/84 HAI Board of Directors meet in New Orleans, Louisiana. First Vice President Terry S. Jones resigned and Wanda L. Rogers is unanimously elected to fill the position. Also, in an effort to provide the general public an opportunity to view the helicopters, the Board approved opening the static display areas of the 37th Annual Meeting and Industry Exposition for one day.

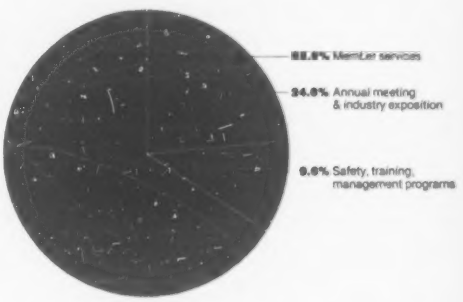
10/22/84 Helicopter Heritage Series adds Sikorsky S-76 pewter model as part of the collector's series of pewter models available through HAI.

11/84 Bayly, Martin and Fay announce a dividend of $83,562.50 on the HAI Workers Compensation Program for the year 1983, of which 80 percent will be shared among the 38 participating members of the program.

Association income


55.1% Annual meeting & industry exposition
31.4% Membership dues
6. % Helicopter annual
2.9% Investment and rental income
2.8% Safety, training, management programs
1.7% Sales

Association expenses



President's message

Dear Fellow Member:

Your helicopter association has undergone significant change during 1984. Some of this has been a result of the economic climate and some a continuation of the maturing process of any organization, company or individual.

These changes have touched upon the emotions of many of our dedicated members and hardworking staff. I am confident, however, that the end result will be a strong association of helicopter operators who are able to work together to accomplish their established goals through a spirit of hard work, cooperation and understanding . . . an association of helicopter operators who, through their regional groups, are tuned to the needs of the local members, yet are able to pull together as one on national and international issues which affect our livelihood.

Our 1985 Annual Meeting in New Orleans will be the largest yet, and should be a fitting prelude for the year that has long been forecast to bring about the turn-around in our business. In order for the HAI to continue to provide the best support possible during the projected turn-around, I again solicit you, our members, for support. The same members, time and again, answer the call to assist special Association projects which impact the regulatory and economic environment in which we operate. We sincerely appreciate the time and effort these individuals donate to the HAI and ask all of you to stay in contact with your representatives, the Board of Directors, to see where *you* may help coalesce HAI into a strong and active trade association that is influential in improving our industry.

My term as an HAI Director, and now your association President, has been a challenging and time-consuming period. I would be pleased to discuss the direction of our association with you during the Annual Meeting, or at any other time. It has been input from you that has helped guide me over the last few years. I am deeply honored to have been elected to this position by my peers and look forward to many years of being an active Association member.

Charles W. Johnson
President

Legal and Administrative

(l. to r.) Cynthia P. Carter, Financial Manager; Steffanie D. Parker, Director, Legal and Administrative; Mary Washington, Receptionist; Patricia Chinn, Legal and Administrative Secretary; Wilhelm Davidson, Mail Room Coordinator

HAI legal and administrative functions are now consolidated under the supervision of General Counsel, Steffanie D. Parker. Monitoring cash flow and holding expenditures within budget have been given priority within this new department.

The major undertaking of the Department has been to aid the President and the Executive Director in acquiring cost-effective office space into which HAI may move before the present HAI lease expires on August 31, 1985. With the assistance of outside bond counsel, the HAI has successfully completed the process of obtaining Industrial Revenue Bonds from the City of Alexandria, Virginia. Using these bonds, HAI obtained financing for the construction and purchase of the Alexandria building at 70% of prime.

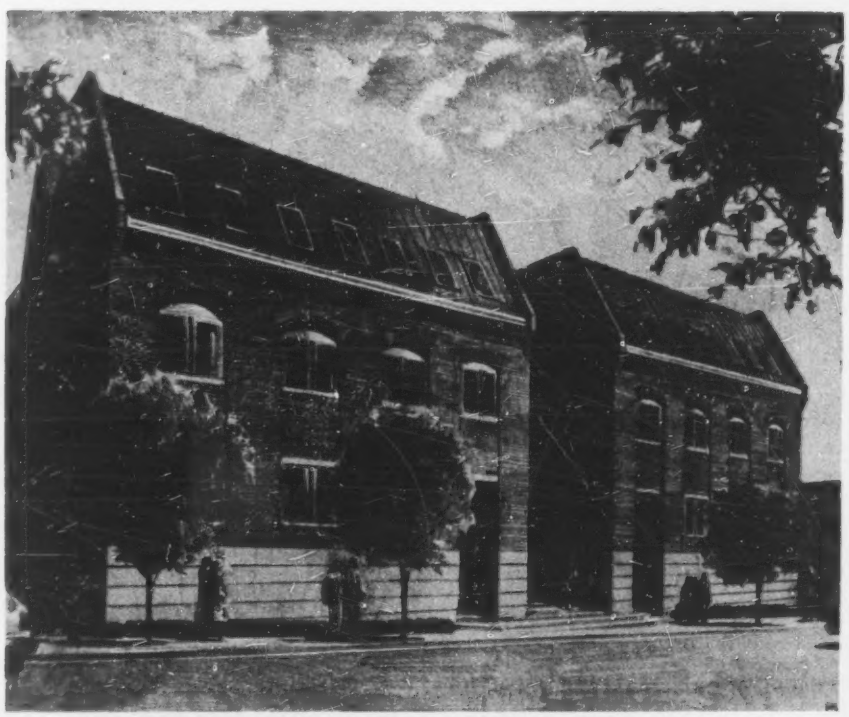
Last may, HAI began negotiating integrated construction and purchasing contracts. These were signed on August 31, 1984. Occupancy of the new HAI headquarters is guaranteed by July 31, 1985, a month before the lease expires on the present Vermont Avenue headquarters.

Additionally, the Department has established a computerized budget control, provided legal counsel on industry-wide helicopter and heliport problems, and organized seminars on legally related industry problems.

Specifically, the HAI submitted an *amicus* brief in the defense of a pilot who was found guilty of a felony by a jury under Florida State law for landing a helicopter in his backyard. The pilot violated neither Federal Aviation Regulations nor local ordinances. At this writing the appeal of the felony conviction remains pending.

In April 1984, in Washington, D.C., the HAI co-sponsored a seminar, "The Helicopter in the Urban/Suburban Environment," for attorneys, government officials and city planners. The program included presentations and discussions on the economic advantages of a heliport, the safety and noise of helicopter operations, and applicable law. Papers presented at the program are available at cost from HAI headquarters.

Also, in April, HAI held a small seminar for interested members entitled "Sales and Profits are Still Possible in Latin America."



HAI headquarters building at 1619 Duke Street, Alexandria, Virginia is shown on left in an artist rendering of the new complex.

Membership Services

(l. to r.) Julie C. Grady, Membership Manager; Mary Jo Allen, Communications Assistant; Susan L. Danker, Director, Membership Services; Mollie Back, Meetings Assistant; Lisa M. Gills, Communications Manager

During 1984, three departments comprising Annual Meeting, Membership and Communications were reorganized under one department, titled Membership Services. The consolidation was to achieve closer coordination between the five HAI staff members and to combine their recources to more efficiently and effectively serve the needs of our members. To date, much progress has been made in our endeavors, and we are looking forward to providing even greater benefits to our members in 1985.

36th Annual Meeting and Industry Exposition

The high level of business activity present at the 1984 HAI Annual Meeting in Las Vegas, Nevada, suggested that the helicopter industry was finally emerging from the economic strains of the past few years. The convention hall was filled to near capacity with an all-time high record of 259 exhibitors occupying 110,000 square feet. Attendance reached 9,532, and exhibitors were encouraged by the strong commercial interest as evidenced by a record number of sales and leads reported. Flight line operations involving 18 helicopters exceeded the goal of 2,000 flights without accidents or incidents.

The theme of the 1984 meeting was "The Community, the Heliport, and the Helicopter." It featured a special outside display of three different types of model heliports. The role and relationship of the theme's three integral areas were further explored in four general sessions, led by top-level speakers and panelists in the industry. Another new and successful program was the management clinics conducted during the meeting. In addition to sharpening their professional skills, attendees were able to relax and mingle at the following HAI social functions: HAI Annual Membership Reception, the first HAI Golf Tournament, the Insurance Industry Reception, the 23rd Annual Awards Banquet and Dance, and a Super Bowl TV Party.

During the 1984 HAI Annual Meeting, HAI provided an opportunity for members and non-members to further explore the association's programs and committees through an impressive HAI exhibit display. Throughout the show, various representatives of HAI's Board of Directors and committee leaders were present at the booth, discussing current HAI activities and issues.

Membership

Efforts to increase member retention and development were the focus of the membership office in 1984. Based on membership surveys conducted in 1983, HAI sought to increase membership of companies operating fewer than five helicopters. The promotional programs launched during the 1984 resulted in obtaining 67 new operator members, almost all of them in the "less than five-ship" category.

Additionally, the Manufacturers Committee began a special membership recruitment program during 1984. Various airframe manufacturers sponsored one year of Regular membership to purchasers of new and reconditioned helicopters who are not members of HAI. These member recruitment programs demonstrated HAI's efforts to strengthen its representation of civil helicopter operators, while serving as a forum for the entire industry.

Communications

The second issue of HAI's award-winning publication, The *1984 Helicopter Annual* was published and distributed at the 1984 HAI Annual Meeting. The book has grown into an in-depth and well-respected compendium of the helicopter industry. New features in the 1984 edition included an avionics specification section and a matrix of HAI operators by geographic location and operation.

In the past year, HAI consolidated its publications. ROTORnews and Safety Review were streamlined into one newsletter. ROTORgram was modified to a three-week publishing schedule. In addition to the HAI member newsletters, HAI continues to maintain an extensive list of industry publications and reports.

Operations

(l. to r.) Glenn A. Leister, Director, Heliports and Airways; Kenneth K. Woolnough, Safety Officer; Nancy Robbins, Operations Assistant; Louis P. Bartolotta, Jr., Director, Operations

The reorganization of the HAI Headquarters created three new departments. The Operations Department incorporates the disciplines of operations, heliports, airways, safety, regulations and educational programs, as well as flight line responsibilities for the Annual Meeting. The professional staff assigned to Operations brings to it an accumulation of over 15,000 flight hours in a wide variety of helicopters and fixed-wing types flown in virtually every environment on a multitude of missions. It is this wide base of experience that allows us to identify with our membership's needs and respond in what will continue to be an ever improving relationship. In reviewing department activities for 1984, several key issues stand out:

Regulations

Flight and Duty Time Rest Limitations was begun under the process of Regulation by Negotiation. Quite simply, this process allowed the HAI and sixteen other national representative bodies to meet with the FAA under the auspices of the National Mediation Board over a period of time and discuss their particular constituency's positions on the issue before a Notice of Proposed Rulemaking was published. The final rule should therefore adequately address a much more relevant set of concerns. The HAI applauds the process, and expects an NPRM to be published shortly.

Additional regulatory issues addressed input for ditching criteria, responses to Rotorcraft Regulatory Review No.'s two & three and an effort to accelerate Rotorcraft Regulatory Review 5's publication, dealing with operations and maintenance practices.

The Airworthiness Task Force of the Regulations Committee also provided input to an FAA effort to review the Directorate concept, which we support wholeheartedly while continuing to seek improvements. Additionally, this very active group of HAI members addressed the certification requirements for transport category rotorcraft contained in proposed change No. 1 to Advisory Circular 29-2.

Heliports and Airways

The major focus has shifted to heliport development with most of our resources dedicated toward the review/rewrite of the proposed FAA Heliport Design Guide, the HAI Heliport Development Guide, and the follow-up coordination of the associated IFR/VFR criteria. The HAI guide will consolidate reference and source materials to expedite planning and avoid pitfalls early in the development stages of a heliport. The last of the National Airspace Review helicopter operations task groups completed work, and over sixty recommendations specifically responsive to helicopters are now in various stages of implementation. Future NAR studies, fewer in number and longer in range, will continue to include rotorcraft operations and system improvements through 1990. The Fly Neighborly Program and seminars enjoy continued success and the intensive efforts of the Acoustics and Heliports and Airways Committees continue to be highly effective.

Safety

The Safety Office has produced effective responses to important issues and holds promise for even better performance in 1985. First and foremost, the long-awaited Safety Manual has now been published, distributed to all Regular members, and is available for sale. The Safety Review has been combined into the ROTORnews, and the Safety Bulletin (Green Sheets, PAR's, etc.) is undergoing revision to provide timely safety information in a more readable and accessible format. The Operator Safety Award selection criteria have been finalized by the Board of Directors, and a project is under way to place this program on the computer. This will enable us to break out each member category (commercial, corporate, public service, etc.) to find the accident rates for each category. This is the first step in a longer range program to improve our statistical data base. We also established a procedure for distributing Telegraphic Airworthiness Directives (TAD's) to those members who have aircraft affected by the TAD's, and plan to continue this practice as a service to our membership. More plans are being drawn up to improve the response of the Safety Office to the membership.

Education

Educational programs tailored to helicopter operational practices continued to receive excellent support, and student enrollments were up for both courses offered in 1984. The Operators Management Course held prior to last year's Annual Meeting in Las Vegas was the first given under the sole tutelage of Professor Edward Walls, and his efforts were again rewarded with a very successful International Management Course (IV) during September 1984. Our membership has clearly signalled their desire for a continuation and expansion of the requisite management courses provided by their Association, and we will endeavor to provide a continually better product tailored to the business requirements of the day.

Besides administering the above mentioned programs, which focus on the helicopter and the attention necessary for its continued growth and success as an industry, the Operations Department is involved on a daily basis answering questions and connecting the right people with the right information on a myriad of subjects. We are constantly involved in issues and efforts brought to our attention not only by a membership recognizing the asset they have in an Association representing their interests, but by an ever increasing general public becoming more involved on a working level with the helicopter and requiring answers to complex questions. We are pleased to be affiliated with our membership, and are always open to your suggestions on improving our service to you, or identifying a concern we may have overlooked.
Best wishes for a successful and safe 1985.

Executive Director's Message

Frank L. Jensen, Jr., Executive Director; Blandine (Sam) Juarer, Executive Secretary

1985 promises to be one of the HAI's most exciting and productive years. Together, we can make it that way!

HAI will begin 1985 with its grandest Annual Meeting ever, as the first trade association to use New Orleans' beautiful, new convention center. This will set the stage for continued increases in the importance and growth of this most significant annual event of the entire helicopter industry. Your regular attendance and participation of these great events will ensure their continued success.

HAI's elected leaders will hold several scheduled meetings during 1985, three for the Board of Directors and four for the Executive Committee. These are productive, well-conducted meetings, with participants contributing their time and talent. Take a look at your association's elected leaders (photograph on page 250). Give them a call — share your views and, above all, give them your support.

HAI committees will continue as primary vehicles for the voluntary accomplishment of projects and activities on behalf of the entire industry. Only by taking part in committee work can you help to shape the industry as *you* want it to be.

HAI will acquire its brand-new office building at Metro Square Office Complex, on Duke Street in Alexandria, Virginia, during July 1985! This is a truly momentous occasion, with excellent prospects of providing stability and financial advantages for years to come. Visit your association's new headquarters later on this year — you'll be glad that you did.

HAI will continue to support the Helicopter Foundation International as that fledgling, tax-exempt organization begins to achieve fiscal viability and operational status. If you haven't contributed to this most worth-while helicopter foundation, please contact me for further information.

HAI will direct much of its efforts toward increased effectiveness in representing the civil helicopters operators — within a framework of mutual cooperation with the entire industry. Please do whatever you can to help bring this about — continue *your* membership; help recruit other members; communicate with the elected leaders; and communicate with the staff.

We have strong indications that much of the industry is on the up-swing. Let's work together with HAI's forum to help make 1985 all that it can be — and *should* be — for all of us!

Frank L. Jensen, Jr.
Executive Director

Association programs and structure

A detailed overview of the Helicopter Association International — your association.

The Helicopter Association International (HAI) is the product of many far-sighted people and the changing demands of the industry. HAI actually began on December 13, 1948, when representatives of six helicopter operators and one manufacturer met in Burbank, California as the Helicopter Council. The group grew to become the California Helicopter Association, then expanded nationally and internationally to form the Helicopter Association of America, renamed the Helicopter Association International in 1981. The founders laid the groundwork back in 1948 for an association which has grown to become an international forum for enhancing safety, mutual cooperation and aid for commercial helicopter operators.

Currently HAI represents more than 1050 member organizations in 41 nations around the world. The entire industry benefits from HAI's activities, and the open and continuing communication link which it provides.

Objectives & goals

HAI strives to accomplish goals that are set forth by the membership through its elected leaders, the Board of Directors. HAI's primary objectives are:

- Safety in all aspects of helicopter operations.
- Promotion of the helicopter as a safe, practical, reliable and cost-effective form of transportation.
- Encouraging and instilling high standards of professionalism and ethical conduct among members, and providing training for operators.
- Providing an open and continuing forum to serve the helicopter industry.

Organization

Like other truly democratic organizations, HAI is self-governing, The Board of Directors is elected to represent the members.

Any owner, officer or employee of a Regular Member is eligible for election as a Director, and there are no requirements for geographic or national representation. The HAI By-laws do, however, stipulate that there will be six Commercial operators, two Corporate/Private and one Public Service operator elected to serve as Directors. These nine Directors, in turn, select two additional Directors to represent the airframe and engine manufacturers. Special Advisors are appointed as appropriate. HAI's Board is representative of a broad spectrum of the civil helicopter industry. These men and women volunteer their time and creative energy to serve HAI's members.

Committees

Much of the HAI's work is done through committees — a vital function of any association. Manned and chaired by members, the committees aid the Association in evaluating current problems and issues that face the industry. Decisions reached by the committees are approved and then transformed into action by the Board, through the members, with support from the staff.

The range of work done by committees is evident by the committee names: Acoustics, Agricultural, Associate B Members, Commercial Operators, Economics, Emergency Medical Services, Government Contracting, Helicopter Airlines, HeliPAC (Political Action Committee), Heliports & Airways, VFR/IFR Flight Procedures, Inter-Regional Council, Manufacturers, Membership, Offshore, Public Relations, Strategic Planning and Technical. Committee listings and summations of 1984 activities appear on page 251.

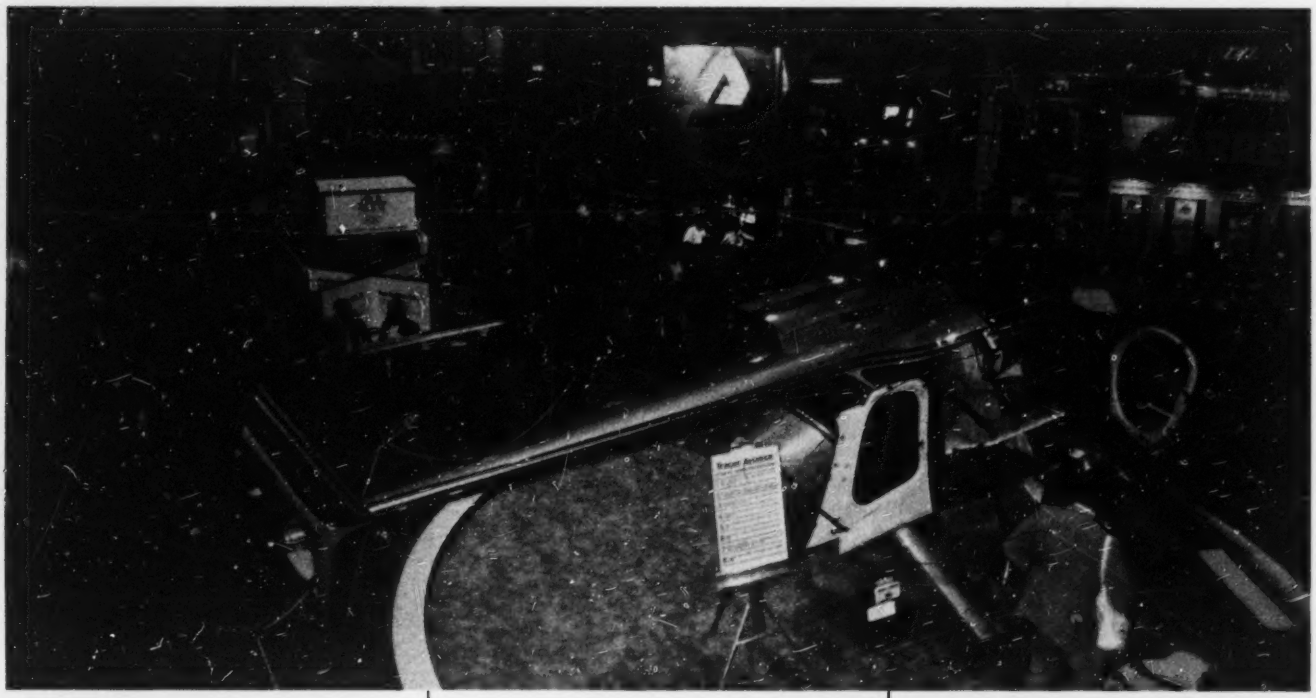
Membership

HAI has four principal classes of members: Regular, Associate, Sustaining/Student and Affiliate. Regular members are companies and other organizations which operate civil helicopters. Associate members are manufacturers of airframes and engines, as well as companies that supply products and services to the industry. Sustaining and Student members are helicopter enthusiasts interested in the industry. Affiliate members are regional or state organizations whose purpose and constituency are similar to HAI's objectives.

The membership structure allows for a rational exchange of information and views between the operator and the manufacturer. While the HAI is operator-oriented, the Board of Directors designates special advisors and representatives for airframe, engine, insurance, pubic relations, safety matters and international affairs. The Board's structure represents HAI philosophy — to maintain open and effective communication channels between the user and the manufacturer, and between HAI's membership and its elected leaders so the entire industry may benefit and grow.

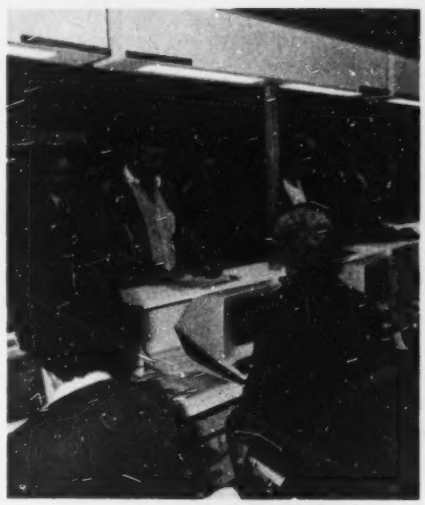
What does HAI do for you?

HAI provides many services and benefits for its members to promote growth and professionalism in the helicopter industry.



Annual Meeting & Industry Exposition

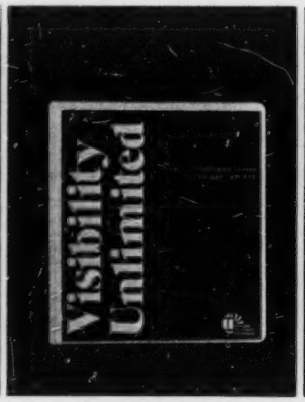
In January or February of each year the membership of HAI meets for an exchange of educational, technological and marketing information. The latest in helicopter technology is displayed for all to see. For three days, operators, users, manufacturers, suppliers, flight personnel, technicians and the media join in making HAI's Annual Meeting the largest meeting in the world devoted exclusively to the civil helicopter industry. With annual attendance exceding 9,000 for each of the past four years, the HAI Annual Meeting and Industry Exposition is a very important event to everyone in the industry.

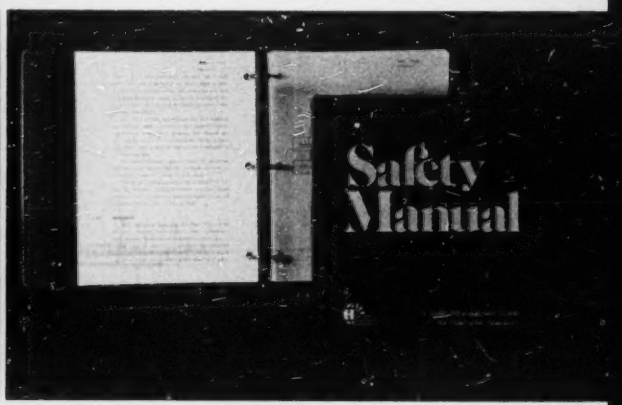


Annual Meeting sites

Year	City	Show dates
1986	Anaheim	Jan. 26–29
1987	Dallas	Feb. 26–28
1988	Anaheim	Feb. 7–9
1989	New Orleans	Jan. 15–17
1990	Dallas	Feb. 4–6
1991	Anaheim	Jan. 27–29
1992	Las Vegas	March 1–3
1993	New Orleans	Feb. 28–Mar. 2
1994	Anaheim	Jan. 30–Feb. 1
1995	Las Vegas	Jan. 29–31
1996	Dallas (T)	Feb. 22–24
1997	New Orleans	Jan. 19–21
1998	Anaheim (T)	Feb. 1–3

(T) = Tentative





ROTORgram & ROTORnews

HAI members keep informed on current events in the industry through briefs and feature stories in ROTORgram & ROTORnews, HAI's newsletters. Coverage includes member activities and news, HAI action on issues affecting members, committee reports, regulatory and legislative issues, notices of upcoming events and special reviews of national and international trade shows. ROTORgram is published tri-weekly. ROTORnews, which incorporates a Safety Review section with safety issues and concerns, is published bi-monthly. Members are encouraged to submit articles to both publications.

The Helicopter Annual

Now in its third edition, the Helicopter Annual has earned respect and praise from all components of the industry, and from outside the industry as well. In 1983, the American Society of Association Executives (ASAE) presented HAI with the prestigious Gold Circle Award for the premiere edition. A comprehensive reference guide to the commercial helicopter industry, the Annual highlights the following chapters: operating statistics; commercial helicopter and avionics specifications; government and industry reference guide; matrix of HAI operators by location and operations; HAI Associate and Sustaining member directories; feature articles and HAI annual report. Published at the Annual Meeting the Annual enjoys an excellent distribution totalling more than 20,000, including each full registrant, as well as HAI members. It has become an invaluable source of information for operators, manufacturers and government agencies. It is recognized worldwide as a calling card for HAI and its members.

Education

Clinics, seminars and symposia organized and conducted by HAI have covered important topics for the benefit of the entire membership, including management education, aviation safety, government contracting and CFI refresher course. Other topics for seminars are introduced on an as-needed basis.

Community relations

Community relations are the key to increasing the public's awareness of the helicopter as a safe, efficient mode of transportation, and HAI is active in promoting the capabilities of the helicopter to potential users and to the general public. All HAI operators receive a copy of *Visibility Unlimited* when they join HAI. This guide is a public communications tool that helps an operator to promote his business locally.

The HAI Fly Neighborly program was established in 1982 as a voluntary noise abatement program for helicopter operators. The program actively addresses noise abatement and public acceptance of the helicopter. Widely popular on both the East and West coasts, the Fly Neighborly program has been enormously successful. Fly Neighborly guides are available upon request.

Prestigious industry awards

HAI recognizes outstanding achievements of helicopter operators and other members of the industry through an Annual Awards program. These prestigious awards are presented during the Annual Meeting and Industry Exposition. The awards are: Robert E. Trimble Memorial for mountain flying; Pilot of the Year; Crew of the Year; Lawrence D. Bell Memorial for significant contributions to the commercial helicopter industry; Max Schumacher Memorial for use of helicopters in urban operations; Hughes Law Enforcement; Helicopter Maintenance; Excellence in Communications; Sikorsky Fly Neighborly for promoting community acceptance of the helicopter; MBB Golden Hour for medevac pilots or operation; and the Raise Your Sites Award for the promotion and development of heliports. HAI Helicopter Operator and Pilot Safety awards for outstanding achievement in aviation safety also are awarded.

HAI Safety Manual

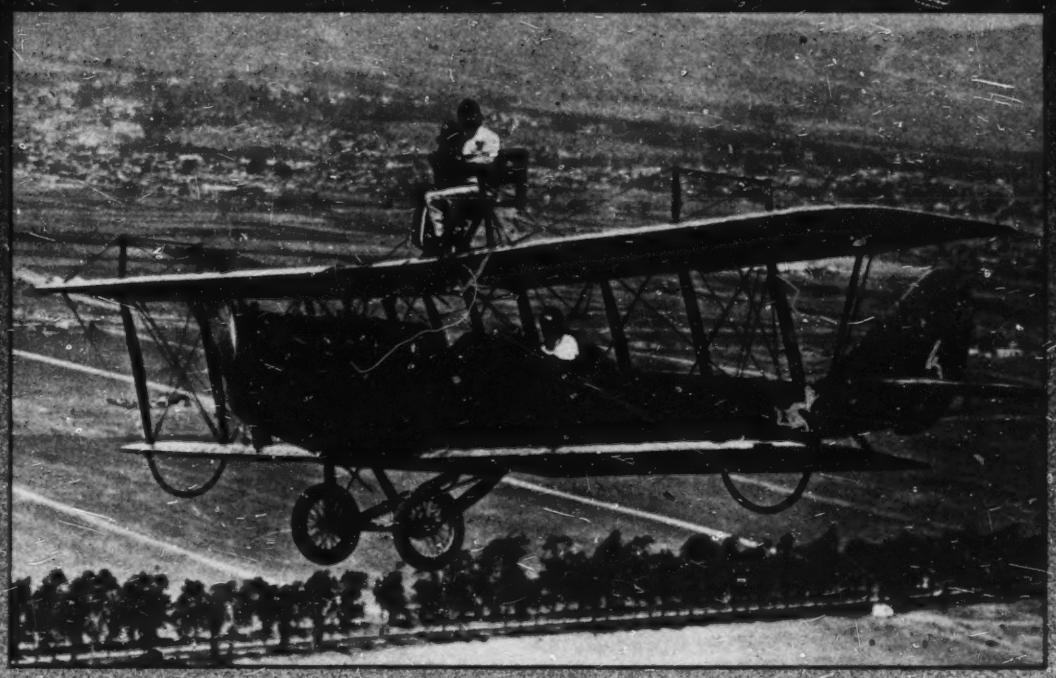
An essential document for all helicopter operators, the HAI Safety Manual is a comprehensive volume of the proper safety procedures essential for conducting a safe, reliable helicopter service. The manual is comprised of several sections, including safety programs, company policy and procedures, medical and human factors, accident prevention, survival, and much more. The manual was developed by the Operations Department and Safety Committee at HAI in the belief that reduced equipment downtime, greater reliability and fewer accidents can increase operator revenues and assist in lowering insurance rates. The first copy of the manual is free to Regular and Associate members (except B9). Regular members receive the manual when they join HAI; Associate members must order the manual in writing from the Operations Department.

Safety Management Reference Guide

A complement to the Safety Manual, this guide is a reference document providing explanatory information on how to organize and execute a safety management program.

Malfunction & defect trend reporting system, safety bulletins and accident reports

Each month HAI's Operations Department compiles and analyzes critical safety information to keep HAI members informed of any problems or incidents that may be occuring within the industry. By maintaining daily contact with the Federal Aviation Administration (FAA) and the National Transportation Safety Board (NTSB), HAI can issue timely reports on any situation as it occurs. The membership is quickly notified of any trend which may appear in the M & D reports to reduce the response time needed to correct a problem. Additionally, monthly preliminary accident reports are published and sent to the membership.



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Insurance programs

HAI insurance programs address the unique needs of the helicopter operator, while providing the cost-effectiveness of group coverage. HAI offers five insurance programs to its members: Workers Compensation, Loss of License, Aviation License Protective Syndicate (ALPS), Life Insurance and AOPA/HAI Insurance Program for Schweizer/Hughes model 300C helicopter.

Workers compensation

This plan offers both basic and extended coverage tailored to an individual company's needs. Available through your local broker, the HAI plan features reliable underwriting, claims and safety engineering services. Each participant's insurance premium is based on individual experience rather than that of the participants as a whole, yet each participant benefits from a group administered plan. Underwritten by Bayly, Martin & Fay, the plan is available in most U.S. states.

Loss of license

This plan is available to pilots of HAI member companies. The coverage provides an income to pilots who are unable to work due to the loss of his U.S. or Canadian medical certificate. Loss of License insurance is available through Bayly, Martin & Fay.

License protective sydicate (ALPS)

The ALPS insurance program is a non-medical loss of license plan, not insurance on your license, protecting pilots and mechanics should their certificate be revoked or suspended due to an alleged FAR violation. It also provides skilled administrative defense attorneys and up to a full year's salary. The ALPS program is administered by Delaney Insurance Services.

Life insurance

The HAI Life Insurance Plan is open to any member or employee of an HAI member company. As with HAI's other insurance plans, the life insurance plan provides ample coverage at competitive prices.

AOPA/HAI insurance program

AOPA/HAI Insurance Program for Owners and Users of the Schweizer/Hughes model 300C Helicopter: This joint enterprise has recently been introduced and is expected to greatly reduce hull and liability insurance. Further details available from AOPA and HAI Headquarters.

Code of ethics

The purpose of the Code of Ethics, on page 247, is to establish certain minimum standards to foster public confidence in the safety of helicopter operations and the integrity of HAI members and to protect the reputation and good name of the helicopter industry.

Heliport development

Your Association promotes the development of heliports — both public and private use — by providing information and advice on planning, design, safety and public acceptance to individuals or planning agencies. The soon-to-be-published HAI Heliport Development Guide will be a single-source document allowing potential builders, operators and users of heliports access to all available information on heliports and the steps in heliport development.

Airspace, airways and air traffic control

The HAI represents the helicopter operator and manufacturer's interests in the development of improved helicopter VFR/IFR flight and approach procedures, airspace studies and air traffic control procedures at the national, regional and local levels. The FAA's National Airspace System Plan and the Radio Technical Commission for Aeronautics (RTCA) activities are monitored throughout the year. The FAA Air Traffic Procedures Advisory Committee is attended quarterly.

Regulations

The HAI maintains a high profile for members at the national regulatory level. Response to proposed rule makings of the FAA or support of an industry-sponsored petition is greatly enhanced when represented collectively by the Association.

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Las Vegas, Nevada 89104

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AOPA AIRCRAFT OWNERS AND PILOTS ASSOCIATION

HAI HELICOPTER ASSOCIATION INTERNATIONAL

Code of Ethics for members

This Association is international and is one which does not contemplate pecuniary gain or profit to the members thereof and is organized solely for non-profit purposes; and any and all assets of the Association are irrevocably dedicated to exempt purposes, as specified in Sections 501-C (3) (Education) and (6) (Business League) of the Internal Revenue Code of 1954, as now existing or hereafter amended, and no part of any net earnings or assets shall inure to the benefit of any member or any other individual. This Association shall have no power to engage other than as an insubstantial part of its activities, in activities which are not in furtherance of an exempt purpose, as defined in said Section 501-C (3) and (6) of the Internal Revenue Code of 1954, as now existing or hereafter amended.

Article I *Purpose*

It is the purpose of this Code of Ethics to establish certain minimum standards in order to foster public confidence in the safety of helicopter operations and the integrity of HAI members and to protect the reputation and good name of the helicopter industry. The Association does not deal with prices, territories or in any manner attempt to restrain trade or free enterprise.

In order to promote these objectives, each HAI member subscribes to the following Code:

Article II *Technical standards*

a. Flight: Flights will be made in accordance with appropriate government regulations. In addition, a member's pilots will exercise their best judgment to ensure a maximum safety factor at all times.

b. Flight personnel: A member will employ and assign to each flight only pilots who hold current certificates of qualification.

In addition, the member shall be satisfied, either through training provided by his organization or by review of the pilot's experience, that flight personnel are familiar with the type of work to which they are assigned and are capable of completing satisfactorily.

c. Maintenance: Maintenance on a member's aircraft shall be performed in a manner that conforms to appropriate regulations. Members will not use parts or materials of unknown origin or time or of doubtful specification. Maintenance personnel shall not approve any aircraft for flight unless they are personally satisfied that the equipment is airworthy.

d. Equipment: A member shall operate any aircraft of his choice, except that every aircraft must be in airworthy condition. In addition, a member will not attempt to use for a given job a helicopter which, because of special conditions—such as altitude, temperature, payload requirement, etc. —is unable to perform the work safely and acceptably.

Article III *Insurance*

Members shall carry liability insurance covering their flight operations in amounts sufficient to provide adequate and reasonable protection to passengers and to the public against liability arising from such operations.

Article IV *Business Standards*

HAI members shall maintain business standards which match the high technical requirements of the industry. While recognizing that it is impossible to enumerate all of the attitudes and factors which comprise good business ethics, members recognize certain areas in which positive principles do apply.

a. Advertising: A member's advertising shall be truthful and shall accurately represent the services he is able to offer.

b. Financial: Since financial stability is the hallmark of a leading company in any industry, members will exert every effort to anticipate their financial obligations and to meet them promptly when due.

c. Sales: In selling equipment or parts, or in selling helicopter services to industrial, government, or private customers, members will present a truthful representation of the equipment or service being offered.

Article V *Implementation*

The HAI recognizes that it has no legal right to enforce the minimum standards outlined above, even though the technical standards have already been formally established by existing governmental regulations. The Association has every right, however, to limit its membership to those who are in sympathy with its objectives.

Therefore, since a procedure for implementing this Code is desirable, the basis for such a procedure will logically hinge upon membership in HAI.

When a person, partnership, corporation, association or other business entity applies for membership in HAI, it is assumed that adoption of the Association's standards is both implied and existent. At some later date, should a member reportedly violate the Association's Code, review of his alleged violation(s) is in order by the Ethics Committee, which will make recommendations to the Review Board.

The HAI Board of Directors is hereby established as a Review Board. The Chairman of the HAI Board shall act as Chairman of the Review Board.

The complainant against the member must present to the Review Board tangible evidence of violation. The defendent shall have every chance to review the charges and to present his side of the case to the Board.

The Board's decision shall be final with regard to disciplinary action when a violation is determined to have occurred. The Board's action may range from issuing a warning to revoking the violator's membership in the HAI (without refund of dues).

Article VI *Modification*

The Code of Ethics outlined herein shall be subject to modification or elaboration as the needs of the industry shall require.

The 23rd HAI Annual Awards

Outstanding leaders of the civil helicopter industry were recognized at the internationally acclaimed HAI Annual Awards Ceremony, January, 1984 in Las Vegas, Nevada.

Cited below are descriptions of the awards and their deserving recipients.

Pilot of the Year

Recognizes an outstanding single feat performed by a helicopter pilot during the year or extraordinary professionalism over a period of time. Nominees must be active civilian helicopter pilots.

For completion of the first solo circumnavigation of the earth by helicopter, Dick Smith (r.) was named HAI's 1983 Pilot of the Year. HAI President Loran E. Patterson presented.

Robert E. Trimble Memorial

Honors a qualified pilot who is especially distinguished in mountain flying. Attention is focused on the pilot who has displayed exceptional ability and good judgement in high altitude flying and has met some, or all of the following criteria: (1) has provided outstanding service to others, (2) has contributed to high standards of safety and (3) has brought credit and recognition to the helicopter industry.

Pilot David Youngblood (r.) of Ptarmigan Helicopters, Evergreen, Colorado, was named recipient of HAI's 1983 Robert E. Trimble Memorial Award. Jerry Trimble, son of the award's namesake, presented.

Max Schumacher Memorial

Recognizes exemplary service to the helicopter industry through the advancement of the use of helicopters in urban area operations.

British Airways Helicopters (BAH) of Surrey, England, received HAI's 1983 Max Schumacher Memorial Award for its Gatwick-Heathrow Airlink. Director John A. Cameron (l.) accepted the award from News Director Bob Steinbrinck of KMPC-Radio Los Angeles, sponsor of the award.

Crew of the Year

Recognizes the support and team work of the specialized helicopter crew in performing the various missions of the civil helicopter. Nominees could have worked together on one particular mission or could have worked together in a consistently outstanding manner for a period of time.

ERA helicopter pilots Lawrence Schmidt (r.) and Cliff Wilson earned the 1983 Crew of the Year Award for their daring rescue of 39 people from the Bering Sea.

MBB Golden Hour Award

Honors an emergency medical services (EMS) helicopter pilot who has most distinguished himself by performing above and beyond the already high EMS standards, and who has made an outstanding contribution to a specific emergency, thereby advancing the helicopter in medevac operations.

Joseph Murphy, Chief Helicopter pilot, Bohemia Lumber Company of Eugene, Oregon, earned the 1983 MBB Golden Hour Award for his dedicated service to those in need.

Raise Your Sites!

Recognizes the person or organization that has done the most during the past year to forward and promote the establishment of public-use heliports. Both the award and the recipient will give the industry an opportunity to tell a heliport success story in real-life terms. Those eligible include business professionals, mayors, legislators, planners, architects, chambers of commerce and city councils, among others.

For their continued dedication to heliport development, Whirly-Girl Lauretta Foy (l.) and Allison Gas Turbine's R. F. Harvey were chosen as co-recipients of the HAI's first heliport award — the 1983 Raise Your Sites! Award.

Lawrence D. Bell Memorial

Recognizes long and significant service to the civil helicopter industry, or sustained exellence relating directly to the industry. The award salutes management leadership. Nominees need not be licensed pilots.

Rene J. van der Harten, Deputy Managing Director, KLM Helikopters, The Netherlands, was named the recipient of the 1983 Lawrence D. Bell Memorial Award.

Hughes Law Enforcement

Presented for a worthy contribution to the advancement of the crime-suppression concept of helicopter patrol service. Limited to anti-crime patrol service and related activities such as surveillance and pursuit. Nominees are not limited to pilots or necessarily law enforcement personnel. Safety practices are an additional consideration.

The California Highway Patrol (CHP) was awarded HAI's 1983 Hughes Law Enforcement Award (l. to r.) Sgt. Terry Hunt, Cptn. Doug Taylor, Hughes President Jack Real and Sgt. Bill Carbaugh.

Sikorsky Fly Neighborly Award

Honors the commendable or significant contributions of those who endeavored to solve a critical helicopter sound complaint or problem. The solution to a community's problem may be weighted more than the solution to an individual's complaint. Those eligible include: helicopter pilots and operators, not limited to HAI members; community groups; regional helicopter associations; business entities, including manufacturers; and federal, state or local governments.

Tom Marlow, (l.) Vice President, ERA Helicopters, was named recipient of the Sikorsky Fly Neighborly Award. Sikorsky's Ed Nesbit presented.

Helicopter Maintenance

Recognizes distinguished contributions to aviation safety through significant innovation in design or long-standing excellence in the performance of helicopter maintenance.

Patrick Mallen (r.) Vice President/Technical Services, Island Helicopter, and Al Hutain, Chief Mechanic, Pasadena Police Department's Helicopter Section, were named co-recipients of the 1983 Maintenance Award.

Excellence in Communications

Awarded to a member of the media who has achieved distinction through an outstanding public relations or media contribution to the helicopter industry. Nominees are judged on their creativity and contribution to the industry as a whole. Submission may be in the form of written material, audio presentation, visual program or any material drawn from the communications spectrum.

For distinction through outstanding media contributions to the helicopter industry, Intoravia's Associate Editor, Mark Lambert (r.) was named recipient of the 1983 Excellence in Communications Award. HAI President Loran E. Patterson presented.

HAI Special Citation

James F. Atkins (l), retired president and chairman of Bell Helicopter Textron, accepted an HAI special citation for "his incessant contributions and devotion to the advancement of the helicopter industry." Robert Suggs, President, Petroleum Helicopters, Inc., presented the award.

1984 HAI Board of Directors

(Seated l. to r.) Joseph Mashman, (Consultant), Special Advisor; L. David Capian, (Pratt & Whitney Canada), Engine Representative (replaced by John N. Clark, Pratt & Whitney Canada); Terry S. Jones, (Avialta Services); Loran E. Patterson, (Blackhawk Helicopters), Chairman; Charles W. Johnson, (ERA Helicopters), President; Frank L. Jensen, Jr., HAI Executive Director; Wesley G. Lematta, (Columbia Helicopters), Treasurer; Wanda Rogers, (Rogers Helicopters), First Vice President; S. Duane Moore (Illinois Dept of Transportation), Assistant Treasurer; (Standing l. to r.) William J. Marlin, (Agusta Aviation), Public Relations Advisor; Arthur A. Wagner, (Aerospatiale Helicopter), Airframe Representative; Joseph C. Gross, (Mobil Oil), Vice President; Richard L. Peck, (Thomson Industries), Asst. Vice President; Anthony H. Cowan, (Bayly, Martin & Fay), Insurance Representative; Stephen R. Sullivan, (Aris Helicopters), Vice President; Theodore E. Dumont, (Sikorsky Aircraft), Special Advisor; Reneir J. van der Harten (KLM Helikopters).

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Blandine (Sam) B. Juarer,
Secretary to the Executive Director

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Steffanie D. Parker,
Director of Administration, Legal Counsel

Cynthia P. Carter, Financial Manager

Patricia Chinn, Legal and
Administrative Secretary

Wilhelm H. Davidson, Production Coordinator

Mary D. Washington, Receptionist

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Membership Services

Lisa M. Gills, Communications Manager

Julie C. Grady, Membership Manager

Mollie Back, Meetings Assistant

Mary Jo Allen, Communications Assistant

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Glenn A. Leister, Director, Heliports and Airways

Kenneth K. Woolnough, Safety Officer

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Consultant

Public Relations Advisor
William J. Marlin
Agusta Aviation

Executive Director
Frank L. Jensen, Jr.

Honorary members*

Individuals who have distinguished themselves to a significant degree through efforts directed toward the advancement or improvement of the commercial helicopter operating industry. Honorary members shall hold membership for life.

Arthur L. Fornoff
Arthur Godfrey
Glenn W. McPherson
L. Welch Pogue
James S. Ricklefs
Igor I. Sikorsky (deceased)

*All past presidents are honorary members.

Past presidents

1948/49/50 James S. Ricklefs
1951-52 Elmer Schlesinger (deceased)
1952-53 Carl F. Brady
1954 Joseph G. Seward
1955 Elynor Rudnick Falk
1956/57 Carl Agar (deceased)
1958 Richard D. Eccles
1959 J. Cullen Weadock
1960 Robert L. Suggs
1961 Hal C. Conners (deceased)
1962 Donald A. Larson
1963 J. Cullen Weadock
1964 Walter N. Attebery
1965 H.C. "Pete" Brown
1966 Robert A. Richardson
1967 Roy K. Falconer
1968 Godfrey A. Rockefeller
1969/70/71 Glenn W. McPherson
1972/73 J. Arlo Livingston
1974 W.B. Rowe
1975 Frank W. Lee
1976 Menno S. Kamminga
1977 Richard A. Wien
1978 Donald L. Sides
1979 Vincent Colicci
1980 Delford Smith
1981 Carl Dougherty
1982 Gian F. Blower
1983 Loran E. Patterson

Affiliate members

International

British Helicopter Advisory Board
General Aviation Association (Australia)
German Helicopter Association
Groupement Francais de l'Helicoptere
Helicopter Association of Australia
Helicopter Association of Southern Africa

United States

Airborne Law Enforcement Association
Alaska Air Carriers Association
American Helicopter Society
American Society of Hospital-Based Emergency Air Medical Services
Appalachian Helicopter Pilots Association
California Helicopter Operators Council
Eastern Region Helicopter Council
Helicopter Association of Florida
Helicopter Operators of Texas
Helicopter Safety Advisory Council
Metroplex Helicopter Pilots Association
Michigan Helicopter Association
New England Helicopter Pilots Association
Northwest Helicopter Association
Ohio Helicopter Pilots Association
Popular Rotorcraft Association
Western Helicopter Safety Advisory Council

Helicopter Association Committees

Acoustic Standards

The committee has been involved in many activities to strengthen helicopter operations. Following the release of "Noise Assessment Guidelines for New Heliports" by the FAA, the committee was able to contribute material in several cases which may be helpful in softening the unnecessarily restrictive provisions for helicopter operators, and released the document "Acoustic Planning for New Heliports" to supplement the Advisory Circular.

The committee has been active in supporting the Fly Neighborly program, and over 400 pilots in the Southern California area received presentations as part of mandatory Olympic briefings. HAI manufacturer members have also been involved in the committee through a joint helicopter flight operations noise test program with HAI and the FAA.

Chairman
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Westland Helicopters

Board liaison
Theodore E. Dumont
Sikorsky Aircraft

Staff liaison
Glenn A. Leister
Director of Heliports & Airways

Committee
Charles R. Cox
Bell Helicopter Textron

Srini Nagaraja
Agusta (Italy)

Dr. D. S. Janaki Ram
Hughes Helicopter

L. Light
Aerospatiale Helicopter

M. Orelup
Allison Gas Turbines

Ronald G. Schegel
Sikorsky Aircraft

H. Sternfield
Boeing Vertol

Richard G. Stutz
Sikorsky Aircraft

John L. Thompson
Systems Control Technology

C. Wilson
AVCO/Lycoming

Agricultural

The purpose of this committee is to aid in the dissemination of information pertinent to the operating rules and regulations of the Federal agencies charged with such responsibilities, amendments to such rules and regulations, dissemination of information pertinent to the introduction, application and use of new pesticides with specific reference to any unique hazards which may exist either to the operator, his equipment, the crop being treated or adjacent properties. It is the further purpose of this committee to keep members notified as to pertinent Apellate Court decisions touching upon aerial application of pesticides and wire strikes.

Chairman
Stuart W. Turner
Stuart W. Turner & Co.

Board liaison
Wesley G. Lematta
Columbia Helicopters

Staff Liaison
Louis P. Bartolotta, Jr.
Director of Operations

Committee
Robert D. Fox
Evergreen Helicopters

William L. Knight
Rambling Rotors

William "Billy" Rowe, Jr.
Sealand Helicopters

Dr. Carroll M. Voss
AG Rotors

Associate B Members

This committee represents the Associate B membership to develop programs that will be beneficial to members; to work with the HAI Annual Meeting Planning Committee; and to assist members who exhibit at the Annual Meeting.

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Edward R. Eckhart
Air Associates

Board liaison
Terry S. Jones
Avialta Services

Staff liaison
Susan L. Danker
Director of Membership Services

Committee

Paul Beaver
Shephard Press

Fred Biederman
A. Biederman

Tony Bockman
Leigh Instruments

Michael J. Casey
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William Dausey
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Flight Accessory Services

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Standard Aero

Jack Kapich
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Lawton-Byrne-Bruner Insurance Agency

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Pacific Aero Products

Alex D. Shephard
Shephard Press

Dave Yannarella
Aviall

Commercial Operators

Chairman, Board liaison
Charles W. Johnson
ERA Helicopters

Staff liaison
Louis P. Bartolotta, Jr.
Director of Operations

Committee

Loran E. Patterson
Blackhawk Helicopters

Wanda L. Rogers
Rogers Helicopters

Kenneth M. Jones
Air Logistics

Wesley G. Lematta
Columbia Helicopters

Stephen R. Sullivan
Aris Helicopters

Economics

To address the capital intensive environment in which helicopters operate.

Chairman
Walter A. Atkinson
Evergreen Helicopters

Board liaison
Loran E. Patterson
Blackhawk Helicopters

Staff liaison
Frank L. Jensen, Jr.
Executive Director

Emergency Medical Services

This committee is charged with the responsibility of all matters affecting the operations and standards of HAI members involved in the use of helicopters employed in emergency medical operations.

Chairman
Dr. William G. Baxt
Life Flight, University of California

Board liaison
Loran E. Patterson
Blackhawk Helicopters

Staff liaison
Louis P. Bartolotta, Jr.
Director of Operations

Committee

Richard Adams
Systems Control Technology

David Andrews
Omniflite

Walter A. Atkinson
Evergreen Helicopters

R. R. Borland
Bell Helicopter Textron

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Swiss-Air Rescue

Howard M. Collett
Aviation Hospital Consultants

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John Hopkins
Hospital Airtransport Systems
Portland Hillsboro Airport

Jeremy Labuschague
Court Helicopters

Frederick V. Martin, Jr.
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Robert Thydean
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Timothy G. Wahlberg
Evergreen International Airport

Dr. John Zuk
Ames Research Center

Government Contracting

The Government Contracting committee has been active this year in its endeavor to identify and pursue areas of concern in government contracting and subsequent effects on private industry.

The committee's success this year is exemplified by one particular case in which a state contracting procedure was required to be revised in favor of fair contracting practices.

Chairman
William H. Wells, Jr.
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Committee

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Geo-Seis Helicopters

Joseph W. Green
El Aero Services

Daniel J. Hawkins
Hawkins & Powers Aviation

Helicopter Airlines (HAL)

The Helicopter Airlines committee (HAL) has strengthened its ties with the Helicopter Airlines Association (HAA) this year on issues affecting HAI's Helicopter Airline constituency. The two groups have identified cooperative roles in addressing the economic and promotional interests of helicopter airline services.

Co-Chairman
John A. Cameron
Consultant

Richard J. Peterson
Westland Helicopters

Board liaison
Joseph C. Gross
Mobil Oil

Staff liaison
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Director of Heliports & Airways

Committee
Vernon E. Albert
Petroleum Helicopters

Richard S. Armstrong
Mid-State/Executive Helicopters

Peter Bales
Omniflight Airways

Ralph Banks
Cal West Helicopters

Don Barbour
Bell Helicopter

Paul Beaver
Shephard Press

Steve Berando
Hoyle, Tanner & Associates

W. Vernon Daley, III
Helicopter Flights

Dave Eagleston
Pumpkin Air

Steve Fern
Hawaii Pacific Helicopters

Dean Hanson
S.F.O. Helicopters

Donald P. Groenemann
MBB Helicopters

John Hoffman
Airlift Associates

Larry Marini
Crescent Helicopters

Dr. Michael Mark
Executive Airlink

William J. Marlin
Agusta Aviation

Sam Mayar
Boeing Vertol

Harry McKillop
Pan American World Airways

John E. Meehan
Pan Am World Services

Vic Miesinger
Colorado Airways

Mackie D. Mott
Sikorsky Aircraft

Gordon J. Myers
Sky Cab

Gary O'Conner
Evergreen Helicopters

Reed Phillips
Tropical Helicopter Airways

Noel G. Preston
Aviation Consulting

Fred Sailtore
Aerospatiale Helicopter

Martin Schnabel
New York Helicopter

James E. Skinner
Aviation Daily

William S. Stamer
Chicago Airlink

Bruce Stoehr
Omniflight Helicopter Services

William Ter Keurst, Jr.
Tropical Helicopter Airways

Don Toler
Rotor & Wing

O. Ray Wall
A.M.S.I.

Clark Wirthlin
Hughes Helicopters

Matthew Zuccaro
Resorts International Airlines

HeliPAC

The HeliPAC committee worked strongly on fund raising efforts during 1984 in the hopes of furthering its political action activities in the following year.

Chairman
Vincent V. Colicci
Helicopter Services, Inc.

Board liaison
Wanda L. Rogers
Rogers Helicopters, Inc.

Staff liaison
Steffanie D. Parker
Director of Administration
General Counsel

Heliports and Airways (HAC)

HAC recently accomplished a major objective of the 1984 committee. The committee chairman participated as a panel member at the City Heliport Development workshop through the National League of Cities 1984 Congress of Cities and presented the topic "Helicopter Public Acceptance Program" to the delegates.

Chairmen
Richard G. Stutz
Sikorsky Aircraft

Board liaison
Stephen R. Sullivan
Aris Helicopters

Staff liaison
Glenn A. Leister
Director, Heliports & Airways

Committee
Burt Aukerman
Fluor

Felton M. Baker
Houston Helicopters

R.A. Balzer
Boeing Vertol

Francis J. Curnow
Aetna Life & Casualty

Michael S. Davenport
Pacific Lumber and Shipping

Donovan Harvey
Bell Helicopter Textron

Jack Hester
Capitol City Airport

Woody Hoffines
Aerospatiale Helicopter

Jean Ross Howard
Aerospace Industries Association

Frank L. Jensen, Jr.
Helicopter Association International

Ken Johnson
AVCO Lycoming

Robert J. King
Hughes Helicopters

Dr. Deanna S. Kitay
Aeronautical Interests International

Dr. Domenico LaSorsa
Agusta (Italy)

David Lawrence
Sikorsky Aircraft

John Leverton
Westland Helicopters

Richard Livingston
Federal Aviation Administration

William J. Marlin
Agusta Aviation

John E. Meehan
Pan Am Metropolitan

James V. Mottley
Federal Aviation Administration

L.R. Moxam
Westland Helicopters

Sonny Najera
ADOT

Ron Reber
Bell Helicopter Textron

Stephanie Slavin
Aviation Business Consultants

Archibald A. Smith II
Connecticut Air Service

David O. Smith
Air Logistics

William A. Stamer
Executive Helicopter

Diana Stuart
Sperry Flight Systems

Stephen R. Sullivan
Aris Helicopters

John Thompson
SCT

Tirey K. Vickers
Journal of Air Traffic Control

J. Cullen Weadock
Omniflight

D.M. Willis
Hughes Helicopters

Peter Wright, Sr.
Keystone Helicopters

IFR/VFR

The IFR/VFR Flight Procedures Committee is working towards the integration of helicopter IFR/VFR flight procedures into the national airspace systems. Activities include helicopter procedures, routes, charts, communications, low level navigation systems and related flight operations.

Chairman
John Dempsey,
Columbia Broadcasting

Board liaison
Charles W. Johnson
ERA Helicopters

Staff liaison
Glenn A. Leister
Heliports and Airways

Committee
Robert Culver
ERA Helicopters

Francis J. Curnow
Aetna Life & Casualty

Donovan L. Harvey
Bell Helicopter

Nicholas D. Lappos
Sikorsky Aircraft

Donovan V. Mott
ARIS Helicopter

Daniel E. Norman
LIFESTAR

Robert Wehr
Aerospatiale Helicopter

Craig Wheel
E. I. Dupont Nemours and Company

Inter-Regional Council

The Inter-Regional Council consists of representatives from different geographical areas with the eventual goal to have representatives from every member country. The committee's main responsibility is to function as the main point of contact in the communication of concerns and problems encountered by these regions to HAI.

Chairman
Terry Jones
Consultant

Board liaison
Gian F. Blower
Elitos Helicopters,

Staff liaison
Frank L. Jensen, Jr.
Executive Director

Committee
H. C. Brown
Petroleum Helicopters

Carlos De Bellegrade
Pirelli S/A Co.

T. E. Dumont
Sikorsky Aircraft

Robert D. Fox
Evergreen Helicopters

Wieland E. Graef
Heliconsult

Captain Udo Jahn
Wiking Helicopter Service

Wataru Nishikawa
Aero-Asashi Helicopter

Cor Reichgeld
Schreiner Airways, B.V.

Gordon Rose
Jayrow Helicopter

Fred Wilcox
Autair Helicopter

Captain John Perera
Heli-Orient

Manufacturers

1984 saw an auspicious start for the committee, as a January 17th meeting just prior to the annual membership meeting focused on the co-chairmen becoming voting members of the Board of Directors. Positive responses from some manufacturers were received concerning the one-year membership for non-member purchasers. The committee also presented a treatise to the board soliciting greater design consideration of the operators by the manufacturers.

Co-Chairmen, Board liaisons
John N. Clark
Pratt & Whitney Canada

Arthur H. Wagner
Aerospatiale Helicopter

Staff liaison
Susan L. Danker
Director of Membership Services

Committee
Andreas Aastad
MBB Helicopter

Robert Barlowe
Sikorsky Aircraft

Robert H. Gladwell
Westland Helicopters

R. Frederick Harvey
Allison Gas Turbine

Leonard M. Horner
Bell Helicopter Textron

Howard M. Knutson
Avco Lycoming,
Williamsport Division

James N. Krebs
General Electric

Martin Less
Avco Lycoming,
Stratford Division

Ing. Bruno Lovera
Agusta (Italy)

Joseph Mallen
Boeing Vertol

Gerald Pertica
Turbomeca

Frank D. Robinson
Robinson Helicopter

R. R. Turner
Rolls Royce

Harry Wetzel
The Garrett Corporation

Max Wiley
Hughes Helicopters

E. L. Wilkinson
Enstrom Helicopter

Teruaki Yamada
Kawasaki Heavy Industries

Offshore

The primary purpose of this committee, as dictated by its founding members, was to share information relative to worldwide offshore activities with the aim of promoting the highest degree of safety within the helicopter industry. The committee is currently in the process of reorganization to move forward to creating a productive committee that actively serves the membership.

Chairman
Donald P. Groenemann
MBB Helicopter

Board liaison
Joseph C. Gross
Mobil Oil

Staff liaison
Kenneth K. Woolnough
Safety Officer

Committee
Pat A. Aldous
Okanagan Helicopters

Jan Bengston
Helicopter Service

Gian F. Blower
Elitos Helicopters

H. C. Brown
Petroleum Helicopters

John Brown
Atlantic Richfield

Richard Brown
Shell Aircraft

F. Lynn Clough
Tenneco

A. C. Gordon
Bristow Helicopter Group

L. Carey Howard
Mobil Oil

Charles W. Johnson
ERA Helicopters

J. C. Jones
Sealand Helicopters

Jeremy Labuschagne
Court Helicopters

W. L. McKeown
Exxon USA

Herman O. Moore
Chevron USA

Wilbur O'Brien
ERA Helicopters

John C. Ross
Esso Australia

Charles Schmitt
Heli-Union

David O. Smith
Air Logistics

Delford M. Smith
Evergreen Helicopters

Fred Snell
Columbia Helicopters

Jerry E. Whitman
Shell Offshore

Public Relations Advisory

This committee has continued in its efforts to promote the general use and operation of the civil helicopter. PRAC has met three times this year to examine the specific needs of our public relations efforts. Many members of the committee joined together in sponsoring HAI's Third June Reception — a meeting place for industry leaders, press and government officials. The committee also recognized the need for an event open to the general public at the Annual Meeting and Industry Exposition. A plan was initiated and Helicopter Day — a one-day general public tour of the static display area — was created. We are currently in the process of updating and revising Visibility Unlimited, a public relations guideline for industry members. The revised edition will be available to members after the Annual meeting.

PRAC has worked with other committees in an effort to combine expertise and resources. The Helicopter Airlines Committee has joined us in an effort to produce a film on noise abatement for operators, and expectations are high for the completion of this project in 1985.

Chairman, Board liaison
William J. Marlin
Augusta Aviation

Staff liaison
Lisa M. Gills
Communications Manager

Committee

Louise Boutin
Pratt & Whitney

Randy Furtick
Soloy Conversions

Carl L. Harris
Bell Helicopter Textron

Jean Ross Howard
Aerospace Industries Association

Bruce Jay
Boeing Vertol

Frank L. Jensen, Jr.
Helicopter Association International

Robert W. Mack
Hughes Helicopters

Robert Metzger
MBB Helicopter

Donald G. O'Brien
Allison Gas Turbine

Robert Salvucci
General Electric

John M. Slattery
Helicopter Foundation International

John Snelling
Westland Helicopters

William Thomas
Aerospatiale Helicopter

Ernie Tyler
Avco Lycoming,
Williamsport Division

Ralph Wortmann
The Garrett Corporation

Public Service

The Public Service Committee is sorry to report the death of one of its members. Shortly after the committee's mid-year meeting at the Airborne Law Enforcement Annual Convention on July 10th, 1984, Lt. Bob Cormier was killed in a helicopter accident. Bob was serving his first year on our committee and will be greatly missed for his enthusiasm and fresh outlook.

This committee met with Association Director, Mr. S. Duane Moore, who attended our mid-year meeting representing the Board of Directors. It was explained that until there is some type of funding available from the Board for projects, the Public Service Committee would, by necessity, have to continue in a caretaker position. We have and will continue to act as liaison for our various members, assisting them in gaining needed information along with budget justification information when possible. As the economic picture improves we will return to the programs as stated in our 5 year Plan of Action.

Chairman
Sgt. Richard M. Wilson
Houston Police Department

Board liaison
S. Duane Moore
Illinois Department of Transportation

Staff liaison
Frank L. Jensen, Jr.
Executive Director

Committee
Sgt. Tony Kruczynski
Phoenix Police Department

Regulations

The Regulations Committee responded in 1984 to FAA regulatory proposals pertaining to helicopters ditching capabilities and crew flight and duty time. HAI President Charles W. Johnson took an active interest in both of these efforts and represented the association at the associated public meetings. In addition, the Committee Task Forces responded to FAA initiatives to standardize air taxi operation specifications, to establish reasonable RVR values for helicopters and to provide guidance for compliance with FAR 29, including the procedures used to assure uniformity in the implementation of that regulation. Also, the committee, through the energies of the Director of Operations, Louis P. Bartolotta, Jr., processed and/or actively supported through personal contact with the FAA initiatives raised by HAI members regarding FAA inspection of FAR 133 operating sites, FAR 135 emergency ration standards and relief from the twelve inch side marking of registration numbers. The blanket exemption issued by the FAA from compliance with certain portions of FAR 135 was also extended for up to two years.

FAA regulatory proposals are expected to continue in 1985, perhaps at an even greater rate than in 1984. Three proposals are already in process and at least two more are expected.

Chairman, Board liaison
Theodore E. Dumont
Sikorsky Aircraft

Staff liaison
Louis P. Bartolotta, Jr.
Director of Operations

Airworthiness Task Force
F. Banal
Agusta (Italy)

E. E. Cohen
Hughes Helicopters

J. F. Grass, III
Boeing Vertol

A. D. Hall
Westland Helicopters

C. L. Harris
Bell Helicopter Textron

Robert Jenney
Enstrom Helicopters

Frank L. Jensen, Jr.
Helicopter Association International

Joseph L. Mashman
Consultant

Dipl. Phys. H. J. Merklein
MBB Helicopters

Paul R. Powers
Bell Helicopter Textron

Hubert Portet
Aerospatiale Helicopter

F. S. Ricketts
MBB Helicopter

F. D. Robinson
Robinson Helicopter

J. I. Soloy
Soloy Conversions

E. L. Turner
Aerospatiale Helicopter

Robert E. Warren
Sikorsky Aircraft

Yeruaki Yamada
Kawasaki Heavy Industries

Commercial Operations Task Force

Vernon Albert
Petroleum Helicopters

Charles Andrus
Exxon USA

Jack Birmingham
ERA Helicopters

Carl Brown
Air Logistics

F. Lynn Clough
Tenneco

Bryan Cuddleback
Rotor-Aids/Evergreen

Fran Curnow
Combs-Gates

Gene Hammond
Hiller Aviation

Charles W. Johnson
ERA Helicopters

Reed Phillips
Tropical Helicopter Airways

F. C. Schroder
Consultant

Steve Smith
Alaska Helicopters

H. S. Spatz, Jr.
Keystone Helicopter

Bob Thydean
Consultant

George Warren
Columbia Helicopters

Jerry E. Whitman
Shell Offshore

General Operations Task Force
(under formation)

Acoustics Task Force
(see Acoustics Committee)

Agricultural Task Force
(see Agricultural Committee)

Heliports & Airways Task Force
(see Heliports & Airways Committee)

Safety Task Force
(see Safety Committee)

Technical Task Force
(see Technical Committee)

Safety

Safety has once again become HAI's primary objective as demonstrated by the development of a very aggressive and educational minded Safety Committee. During the past year the entire format for operating the safety committee was restructured. Several very important steps were made towards actively pursuing and completing a number of primary projects.

The Safety Manual was completed, published and sent to the membership, the Regional Helicopter Safety Seminars were conducted as previously contracted for, and for the first time, a Certified Flight Instructor (CFI) Refresher Seminar was sponsored by the HAI Safety Department. Also, a new format is now set for Safety Review articles in *ROTORnews*. These informative articles will be short, concise and published in each news bulletin. The General Safety Meeting, reinstituted at the 1985 Annual Meeting, was entitled "Helicopter Operation is Safety Conscious."

Chairman, Board liaison
Dr. Walter B. Comeaux, Jr.

Staff liaison
Kenneth K. Woolnough
Safety Officer

Committee

Don Andrews
Rocky Mountain Helicopters

William C. Beversluis
A. T. & T.

Warren J. Cadoret
Petroleum Helicopters

Robert Carnie
Reed Stenhouse

James T. Cheatham
Verticare

Loren Doughty
Bell Helicopter Textron

James Lematta
Columbia Helicopters

Tom Mockler
ERA Helicopters

William Snyder
NASA-Ames

Small Operators
(undergoing reorganization)

Technical

This committee has worked on many and varied projects during 1984, ranging from fuel valves to turbine blades, from hydraulic switches to manual revision. The cooperation which has developed over the past few years between the FAA and the manufacturers has allowed this committee to work quietly and efficiently to present problems and often recommendations to the FAA, manufacturers and HAI members.

In addition, the committee is proud to announce that this year's A & P Scholarship winners attended and successfully passed courses provided by Sikorsky and Aerospatiale.

Chairman
Lynn Fortner
Flight Accesory Services

Board liaison
Joseph Mashman
Consultant

Staff liaison
Kenneth K. Woolnough
Safety Officer

Committee

Sam Brody
FAA Aircraft Certification Division

Richard Eimert
Ramapo Helicopters

Ray Etcheverry
Big Valley Aviation

Bob Lanard
ERA Helicopters

Bob Martin
Petroleum Helicopters, Inc.

Ben Pessin
Consultant

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No other helicopter offers the unmatched all-weather capability of the Boeing 234. Its twin-rotor configuration gives it stability that provides reduced workload for the pilot and comfortable travel for passengers. Even in adverse weather, the 234 can transport personnel to a rig, stay on station and make multiple approaches if required, then bring them home.

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For on-time service in any demanding environment — nothing beats the Boeing 234. *Boeing Helicopters, P.O. Box 16858, Philadelphia, PA 19142. Phone 215-522-3751 or telex 845-205.*

BOEING

"My Gulfstream III is the ultimate business jet, but it can't go everywhere. So I bought an S-76."

Allen Paulson knows aircraft. His Gulfstream III is recognized throughout the world as the ultimate business jet. He demands excellence, not only from the aircraft he builds, but also from the aircraft he buys.

"That's why I selected the Sikorsky S-76 executive helicopter for short trips," he says. "In my opinion, it's the only helicopter in the same class as the Gulfstream III."

Allen Paulson appreciates the S-76, both from an aesthetic and a technological viewpoint. He was impressed by its design, its advanced avionics, its performance, range, and, of course, its speed. "For short trips, the S-76 can get me where I'm going faster than the Gulfstream III, because it flies point to point, not airport to airport.

"I also like the roominess of the cabin. I can really stretch out and relax. And for a six-footer like me, that's saying something.

"The S-76 is the most comfortable, quiet helicopter I have ever flown. It's also the easiest to fly, because of its advanced avionics, and a cockpit that's set up like one of my jets."

The Sikorsky S-76 was designed expressly for people like Allen Paulson, who know how to make time as productive as possible, and understand the value of a first class aircraft. "In my opinion, the Sikorsky S-76 is the Gulfstream III of helicopters."

Allen Paulson
Chairman and President
Gulfstream Aerospace Corporation

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AIRCRAFT